

JSR Group ESG Data

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Unless otherwise noted, FY (Fiscal Year) means the year starting April 1st. For example, FY2020 means April 1, 2020 - March 31, 2021

For both absolute values and percentages, numerical values that fall below the shown number of digits are rounded off. For this reason, the sums of individual numbers may differ from the sum values provided.

November 2021 - Corrected the business segment of JSR group companies. (P20-21)

January 2022 - Corrected the workplace accidents data. (P8)



JSR Corporation

Created June, 2021
Revised January, 2022

◆ Environment Data

Environmental Impact of Business Activities

Category	Items	Boundary ※			Unit	FY2016	FY2017	FY2018	FY2019	FY2020	
		A	B	C							
Input Data	Raw materials consumption		○	○	○	1,357	1,400	1,394	1,267	1,042	
			○	○	○	824	828	823	707	589	
			○	○	○	412	428	417	358	318	
			○	○	○	121	144	154	202	134	
			○	○	○	411	421	429	400	369	
	Energy consumption	(Crude oil equivalent)		○	○	○	268	266	269	251	230
				○	○	○	77	77	77	68	66
				○	○	○	67	78	83	81	73
				○	○	○	0.36	0.35	0.36	0.38	0.42
		Intensity		○	○	○	0.18	0.18	0.18	0.18	0.20
	Water consumption	(Excluding seawater)		○	○	○	19,481	19,578	20,894	20,632	18,734
				○	○	○	14,447	14,259	15,275	14,888	13,620
				○	○	○	3,754	3,822	3,681	3,970	3,619
				○	○	○	1,281	1,497	1,938	1,774	1,495
				○	○	○	19.6	19.0	20.5	22.5	25.1
		Intensity		○	○	○	9.0	8.7	8.5	10.6	10.9
		Industrial water	Groundwater	Tap water	Recycled water	Effective use rate of recycled water					
Seawater consumption	(For cooling)		○	○	○	1,000 m ³	55,413	55,011	64,296	56,354	51,319
Output Data	Total generated		○	○	○	1,275	1,330	1,320	1,205	1,006	
			○	○	○	738	752	746	661	543	
			○	○	○	418	440	431	375	333	
			○	○	○	118	137	144	169	130	
			○	○	○	79	72	72	70	67	
	Industrial waste generation	Comparison with FY2013	Intensity								
	Waste generated	Recycled waste	Intensity								
		Amount of final offsite-landfills	Intensity								

*Boundaries A: JSR Corporation B: Group companies in Japan C: Group companies in other countries

Category	Items	Boundary ※			Unit	FY2016	FY2017	FY2018	FY2019	FY2020	
		A	B	C							
O u t p u t D a t a	Greenhouse gas emissions	Scope1 + Scope2	○	○	○	1,000 tons CO ₂	1,003	1,019	1,040	973	892
			○	○	○		658	653	666	625	568
			○	○	○		199	198	199	176	168
			○	○	○		147	168	175	171	156
		Comparison with FY2013	○	○	○	%	1.8	1.1	3.1	-3.3	-12.1
		Intensity	○	○	○	Tons/tons	0.89	0.87	0.89	0.95	1.05
	○		○	○	0.47		0.45	0.46	0.47	0.51	
	○		○	○	1.24		1.23	1.22	1.01	1.20	
	Waste water	Total amount of waste water	○	○	○	1,000 m ³	16,912	16,968	17,587	16,049	14,616
			○	○	○		12,161	12,108	12,479	11,250	10,141
			○	○	○		3,930	3,975	4,077	3,741	3,490
			○	○	○		821	885	1,031	1,059	984
		Intensity	○	○	○	m ³ /ton	16.5	16.1	16.7	17.0	18.7
			○	○	○		9.4	9.0	9.5	10.0	10.5
	Waste water	COD	○	○	○	Tons	531	530	580	495	401
			○	○	○		459	457	481	404	346
			○	○	○		72	74	98	91	54
		Intensity	○	○	○	x10 ⁻⁵ tons/tons	622	607	645	611	638
			○	○	○		172	167	228	243	163
		Total nitrogen	○	○	○	Tons	155	173	144	160	112
			○	○	○		139	156	129	145	102
		Intensity	○	○	○	x10 ⁻⁵ tons/tons	16	18	14	14	10
			○	○	○		188	207	174	220	188
		Total phosphorus	○	○	○	Tons	38	41	33	38	31
○			○	○	1		1	1	1	1	
Intensity		○	○	○	x10 ⁻⁵ tons/tons	0.7	0.7	0.6	0.6	0.7	
	○	○	○	0.3		0.3	0.5	0.4	0.3		
Atmospheric emissions	SO _x	○	○	○	Tons	1.0	0.9	0.7	1.0	1.3	
		○	○	○		0.6	0.7	1.1	1.0	0.8	
	Intensity	○	○	○	x10 ⁻⁵ tons/tons	12	13	13	11	11	
		○	○	○		5	5	4	4	4	
	NO _x	○	○	○	Tons	7	8	8	7	6	
		○	○	○		0.7	0.6	0.5	0.6	0.8	
	Intensity	○	○	○	x10 ⁻⁵ tons/tons	1.7	1.9	1.9	1.7	1.9	
		○	○	○		338	369	341	333	279	
	VOC	○	○	○	Tons	305	335	308	303	244	
		○	○	○		33	34	33	31	35	
Intensity	○	○	○	Tons/tons	41	45	41	46	45		
	○	○	○		670	583	536	523	435		
PRTR (In Japan only)	Amount handled	○	○	○	Tons	0.9	0.8	0.7	0.8	0.8	
		○	○	○		966,150	981,530	960,932	842,045	697,162	
		○	○	○		734,202	739,259	725,727	632,835	523,163	
	Atmospheric emissions	○	○	○	Tons	231,947	242,272	235,205	209,210	174,000	
		○	○	○		163	168	134	170	154	
		○	○	○		108	119	95	124	106	
	Water supply discharge	○	○	○	Tons	55	50	39	45	47	
		○	○	○		10	10	11	9	8	
		○	○	○		3	2	3	2	2	
	Transported waste	○	○	○	Tons	7	8	8	7	6	
		○	○	○		796	1,031	890	897	807	
		○	○	○		272	445	328	338	348	
		○	○	○		524	586	562	559	458	

*Boundaries A: JSR Corporation B: Group companies in Japan C: Group companies other than Japan

Accounting for Greenhouse Gas Emissions Throughout the Supply Chain

In FY 2019, some calculation methods, conversion factors, and the scope of calculation were revised. In the table below, calculations were retroactively performed in accordance with the disclosure guidelines of the CDP (Carbon Disclosure Project). **The relevant sections are shown in red.**

Note: From FY 2018, other indirect emissions (Scope 3) category 1 has been changed to be calculated for all JSR Group.

Category	Boundary	FY2016 Emission		FY2017 Emission		FY2018 Emission		FY2019 Emission		FY2020 Emission	
		t-CO ₂	ratio (%)	t-CO ₂	ratio (%)	t-CO ₂	ratio (%)	t-CO ₂	ratio (%)	t-CO ₂	ratio (%)
I. Direct emissions (Scope 1)	JSR Group	431,489	26.1	418,037	25.0	439,556	20.3	408,480	20.3	398,733	22.6
II. Energy-derived indirect emissions (Scope 2)		571,764	34.6	601,141	36.0	600,485	27.7	564,108	28.1	492,844	28.0
III. Other indirect emissions (Scope 3)		651,608	39.4	649,724	38.9	1,129,175	52.1	1,038,302	51.6	869,723	49.4
I. Direct emissions (Scope 1)	JSR Corporation	397,763	30.9	383,394	29.9	404,131	31.6	374,483	32.4	365,397	35.5
II. Energy-derived indirect emissions (Scope 2)		259,969	20.2	269,797	21.1	262,009	20.5	250,404	21.6	202,192	19.7
III. Other indirect emissions (Scope 3)		629,484	48.9	627,963	49.0	614,841	48.0	532,859	46.0	461,577	44.9
I. Direct emissions (Scope 1)	Group companies in Japan	27,476	12.8	28,088	13.2	27,067	4.7	24,818	5.0	25,307	5.6
II. Energy-derived indirect emissions (Scope 2)		171,034	79.5	169,611	79.5	172,262	30.0	151,569	30.4	142,854	31.5
III. Other indirect emissions (Scope 3)		16,641	7.7	15,665	7.3	374,074	65.2	322,890	64.7	284,926	62.9
I. Direct emissions (Scope 1)	Group companies other than Japan	6,250	4.1	6,555	3.8	8,358	2.7	9,179	2.6	8,028	2.9
II. Energy-derived indirect emissions (Scope 2)		140,761	92.3	161,734	92.7	166,215	52.8	162,135	45.8	147,798	53.0
III. Other indirect emissions (Scope 3)		5,483	3.6	6,096	3.5	140,260	44.6	182,553	51.6	123,221	44.2

Other indirect emissions (Breakdown of Scope 3)

(1) JSR Corporation

Category	Boundary	FY2016 Emission		FY2017 Emission		FY2018 Emission		FY2019 Emission		FY2020 Emission	
		t-CO ₂	ratio (%)	t-CO ₂	ratio (%)	t-CO ₂	ratio (%)	t-CO ₂	ratio (%)	t-CO ₂	ratio (%)
Category 1	Purchased goods and services	552,567	87.8	547,887	87.2	540,653	87.9	447,580	84.0	371,339	80.5
Category 2	Capital goods	37,553	6.0	40,628	6.5	35,907	5.8	51,266	9.6	61,278	13.3
Category 3	Fuel and energy related activities not included in Scope 1 or 2	6,713	1.1	6,788	1.1	6,958	1.1	6,217	1.2	6,530	1.4
Category 4	Transportation and delivery (upstream)	14,133	2.2	13,177	2.1	13,112	2.1	10,706	2.0	7,559	1.6
Category 5	Waste from business operations	5,777	0.9	6,886	1.1	5,738	0.9	6,154	1.2	5,436	1.2
Category 6	Business travel	330	0.1	328	0.1	338	0.1	347	0.1	354	0.1
Category 7	Employee commuting	1,194	0.2	1,184	0.2	1,221	0.2	1,255	0.2	1,278	0.3
Category 8	Leased assets (upstream)	24	0.0	19	0.0	19	0.0	22	0.0	14	0.0
Category 9	Transportation and delivery (downstream)	11,156	1.8	11,065	1.8	10,894	1.8	9,312	1.7	7,790	1.7
Category 10	Processing of sold products	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Category 11	Use of sold products	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Category 12	Disposal of sold products	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Category 13	Leased assets (downstream)	38	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Category 14	Franchises	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Category 15	Investments	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Total of Scope3 (Category 1- Category 15) 629,484 100 627,963 100 614,841 100 532,859 100 461,577 100
(N/A: not applicable, --: no data)

(2) Group companies in Japan

Category	Boundary	FY2016 Emission		FY2017 Emission		FY2018 Emission		FY2019 Emission		FY2020 Emission	
		t-CO ₂	ratio (%)	t-CO ₂	ratio (%)	t-CO ₂	ratio (%)	t-CO ₂	ratio (%)	t-CO ₂	ratio (%)
Category 1	Purchased goods and services	-	-	-	-	360,084	96.3	308,621	95.6	274,770	96.4
Category 2	Capital goods	-	-	-	-	-	-	-	-	-	-
Category 3	Fuel and energy related activities not included in Scope 1 or 2	-	-	-	-	-	-	-	-	-	-
Category 4	Transportation and delivery (upstream)	-	-	-	-	-	-	-	-	-	-
Category 5	Waste from business operations	15,547	93.4	14,567	93.0	12,848	3.4	13,140	4.1	9,046	3.2
Category 6	Business travel	224	1.3	226	1.4	237	0.1	235	0.1	234	0.1
Category 7	Employee commuting	808	4.9	816	5.2	855	0.2	847	0.3	843	0.3
Category 8	Leased assets (upstream)	24	0.1	23	0.1	19	0.0	22	0.0	10	0.0
Category 9	Transportation and delivery (downstream)	-	-	-	-	-	-	-	-	-	-
Category 10	Processing of sold products	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Category 11	Use of sold products	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Category 12	Disposal of sold products	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Category 13	Leased assets (downstream)	37	0.2	33	0.2	31	0.0	25	0.0	24	0.0
Category 14	Franchises	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Category 15	Investments	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total of Scope3 (Category 1- Category 15)		16,641	100	15,665	100	374,074	100	322,890	100	284,926	100

(N/A: not applicable, - : no data)

(3) Group Companies other than Japan

Category	Boundary	FY2016 Emission		FY2017 Emission		FY2018 Emission		FY2019 Emission		FY2020 Emission	
		t-CO ₂	ratio (%)	t-CO ₂	ratio (%)	t-CO ₂	ratio (%)	t-CO ₂	ratio (%)	t-CO ₂	ratio (%)
Category 1	Purchased goods and services	-	-	-	-	132,802	94.7	174,724	95.7	115,810	94.0
Category 2	Capital goods	-	-	-	-	-	-	-	-	-	-
Category 3	Fuel and energy related activities not included in Scope 1 or 2	-	-	-	-	-	-	-	-	-	-
Category 4	Transportation and delivery (upstream)	-	-	-	-	-	-	-	-	-	-
Category 5	Waste from business operations	3,854	70.3	4,427	72.6	5,382	3.8	5,633	3.1	5,412	4.4
Category 6	Business travel	172	3.1	180	3.0	190	0.1	203	0.1	213	0.2
Category 7	Employee commuting	621	11.3	650	10.7	685	0.5	733	0.4	768	0.6
Category 8	Leased assets (upstream)	835	15.2	839	13.8	839	0.6	896	0.5	656	0.5
Category 9	Transportation and delivery (downstream)	-	-	-	-	-	-	-	-	-	-
Category 10	Processing of sold products	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Category 11	Use of sold products	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Category 12	Disposal of sold products	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Category 13	Leased assets (downstream)	0	0.0	0	0.0	362	0.3	362	0.2	362	0.3
Category 14	Franchises	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Category 15	Investments	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total of Scope3 (Category 1- Category 15)		5,483	100	6,096	100	140,260	100	182,553	100	123,221	100

(N/A: not applicable, - : no data)

Categories of Greenhouse Gas Emissions Throughout

Category	Emissions subject to calculation
I. Direct emissions (Scope 1)	<ul style="list-style-type: none"> ■ Direct emissions from the use of fuel and industrial processes by the reporting company
II. Energy-derived indirect emissions (Scope 2)	<ul style="list-style-type: none"> ■ Emissions from the use of electricity and heat purchased by the reporting company
III. Other indirect emissions (Scope 3)	<ul style="list-style-type: none"> • Added as a new calculation item in FY2016 • Expansion of calculation range for some new items in FY2018

Other indirect emissions (Breakdown of Scope 3)

Category	Emissions subject to calculation
Category 1	<p>Emissions from activities up to the manufacture of raw materials, parts, purchased goods, sales-related materials, etc.</p> <ul style="list-style-type: none"> • Calculated for JSR only from FY2016. • Expansion of calculation range for some new items in FY2018.
Category 2	<p>Emissions from the construction and manufacturing of the reporting company's capital goods</p> <ul style="list-style-type: none"> • Calculated for JSR only from FY2016.
Category 3	<p>Emissions from the procurement of fuel used in power generation, etc., for electricity and heat procured from other entities</p> <ul style="list-style-type: none"> • Calculated for JSR only.
Category 4	<p>(1) Emissions from the distribution of raw materials, parts, purchased goods, sales-related materials, etc., up to delivery to the reporting company</p> <p>(2) Emissions (emissions from the distribution paid for by the reporting company) amount of activity from distribution services other than (1) above (transport, handling, and storage) purchased in the fiscal year of the report: Amount of shipment distribution in Japan and other countries</p> <ul style="list-style-type: none"> • Calculated for JSR only.
Category 5	<p>Emissions from the transportation and processing of waste generated by the reporting company</p>
Category 6	<p>Emissions from employee business travel</p>
Category 7	<p>Emissions from employee transportation when commuting to and from the place of business</p>
Category 8	<p>Emissions from the operation of assets leased to the reporting company (excluding emissions calculated under Scope 1 or 2)</p>
Category 9	<p>Emissions from the transport, storage, cargo handling, and retail sales of products (limited to those items not paid for by the reporting company)</p> <ul style="list-style-type: none"> • Calculated for JSR only.

Category	Emissions subject to calculation
Category 10	Emissions from the processing of intermediate products by the reporting company <input type="checkbox"/> This category is excluded from calculation because the company is a chemical intermediates manufacturer.
Category 11	Emissions from the use of products by users (consumers and companies) <ul style="list-style-type: none"> • This category is excluded from calculation because the company is a chemical intermediates manufacturer and the category is not applicable to the use of sold products.
Category 12	Emissions from the transportation and processing of products upon disposal by users (consumers and companies) <ul style="list-style-type: none"> • This category is excluded from calculation because the company is a chemical intermediates manufacturer.
Category 13	Emissions from the operation of assets leased to other entities
Category 14	Emissions from franchises <ul style="list-style-type: none"> • No emissions; business structures are not franchises.
Category 15	Emissions from investment to earn profit <ul style="list-style-type: none"> • This category is excluded from calculation because it is not applicable to "investment to earn profit."

FY2020 Emissions of Chemical Substances (PRTR)

Totals for JSR Corporation (Yokkaichi Plant, Chiba Plant, Kashima Plant and Tsukuba Research Laboratories)

Ordinance designated number	Substance	Amounts handled* ¹ (t)	Emissions			Transfers* ² (t)
			Atmospheric (t)	Water (t)	Soil (t)	
1	Zinc compounds (water-soluble)	1.2	0.0	1.2	0.0	0.0
2	Acrylamide	54.8	0.0	0.0	0.0	0.0
4	Acrylic acid and its water-soluble salts	404.5	0.0	0.0	0.0	0.0
7	n-Butyl acrylate	14.9	0.0	0.0	0.0	0.0
9	Acrylonitrile	10,424.2	0.3	0.0	0.0	1.1
13	Acetonitrile	85.0	0.1	0.6	0.0	7.6
20	2-Aminoethanol	1.1	0.0	0.0	0.0	0.0
28	Allyl alcohol	4.4	0.0	0.0	0.0	4.2
30	n-Alkylbenzenesulfonic acid and its salts (limited to those with 10 to 14 alkyl group carbons and their mixtures)	351.1	0.0	0.0	0.0	0.0
36	Isoprene	30,603.3	0.1	0.0	0.0	0.5
53	Ethylbenzene	1.8	0.0	0.0	0.0	0.0
71	Ferric chloride	24.5	0.0	0.0	0.0	0.0
80	Xylene	4.4	0.0	0.0	0.0	1.7
86	Cresol	12.4	0.0	0.0	0.0	0.0
150	1,4-Dioxane					
186	Dichloromethane (also called methylene chloride)	17.1	3.2	0.0	0.0	11.8
190	Dicyclopentadiene	8,561.9	0.1	0.0	0.0	31.3
202	Divinylbenzene	18.6	0.0	0.0	0.0	0.0
203	Diphenylamine	30.6	0.0	0.0	0.0	0.0
207	2,6-di-tert-butyl-4-cresol (also called BHT)	318.0	0.1	0.0	0.0	0.1
220	Water-soluble salts of dimethyldithiocarbamic acid	45.3	0.0	0.0	0.0	0.0
230	N-(1,3-dimethylbutyl)-N'-phenyl-p-phenylenediamine	111.4	0.0	0.0	0.0	0.0
240	Styrene	17,510.0	5.0	0.0	0.0	2.1
274	Tert-dodecanethiol	422.4	0.0	0.0	0.0	0.0
276	3, 6, 9-triazaundecane-1, 11-diamine (also called tetraethylenepentamine)	10.0	0.0	0.0	0.0	2.7
300	Toluene	2,034.3	48.8	0.2	0.0	207.4
321	Vanadium compounds	21.7	0.0	0.0	0.0	21.2
337	4-Vinyl-1-cyclohexene	83.2	0.0	0.0	0.0	0.6
351	1,3-Butadiene	449,854.3	5.5	0.0	0.0	1.1
392	n-Hexane	379.5	42.6	0.0	0.0	54.7
395	Water-soluble salts of peroxodisulfuric acid	412.7	0.0	0.0	0.0	0.0
411	Formaldehyde	2.7	0.0	0.0	0.0	0.0
415	Methacrylic acid	64.1	0.0	0.0	0.0	0.0
420	Methyl methacrylate	1,276.1	0.3	0.0	0.0	0.1
440	1-Methyl-1-phenylethyl hydroperoxide	1.4	0.0	0.0	0.0	0.0
	Total	523,162.6	106.1	2.0	0.0	348.4
243	Dioxins* ³	-	0.0660	0.0350	0.0000	0.0000

*1 The handling amount represents the value after base deduction (1 ton/year per place of business)

*2 The transfer amount is the amount committed to intermediate waste service companies plus the amount discharged into public sewers

*3 Dioxin category unit: mg-TEQ

◆ Social Data

Workplace Accidents (calendar year)

		Boundary	Unit	2016	2017	2018	2019	2020
Number of Workplace Accidents Lost time injury () Indicates non-working accident	JSR Corporation	Same as shown at left	Accident	0 (1)	2 (3)	0 (0)	1 (0)	0 (0)
	Manufacturing partners of JSR			1 (2)	2 (0)	1 (0)	0 (4)	2 (1)
	Group companies in Japan			2 (1)	0 (3)	2 (3)	3 (4)	1 (2)
	Manufacturing partners of Group companies in Japan			1 (1)	2 (2)	0 (2)	2 (3)	1 (2)
Lost time injury	Frequency ^{*1}	JSR Corporation	–	0.00	0.48	0.00	0.24	0.00
	Severity ^{*2}		–	0.00	0.04	0.00	0.00	0.00
	Severity ^{*2}	Statistics by JCIA	–	0.35	0.36	0.31	0.42	Not yet announced

※The red letters are the corrected parts in January, 2022.

*1 Frequency = (Deaths or injuries in workplace accidents resulting in absence from work ÷ total working hours for all employees) × 1 million

*2 Severity = (Total days of lost work accidents / Total number of actual working hours) × 1000

*3 Source: JCIA (=Japan Chemical Industry Association) statistical data (occupational safety and health fact-finding results)

Equipment accidents (calendar year)

		Boundary	Unit	2016	2017	2018	2019	2020
Number of facility accidents	Leakage	JSR Corporation	Accident	0	1	2	1	4
	Fire			1	1	0	0	1
	Other			0	0	0	3	5
	Leakage	Group companies in Japan	Accident	0	1	3	3	1
	Fire			0	0	1	2	0
	Other			0	0	0	3	1

* Corrected the number of cases in 2019 (in red)

ISO 45001 Certification (Manufacturing Bases) as of March 31, 2021

Company name	Certification number	Certification acquisition date (Updated)	Expiry date
Techno-UMG Co., Ltd. Ube Plant	JQA-OH0037	March 1, 2021	February 29, 2024
JSR Micro Kyushu Co., Ltd.	JQA-OH0319	March 27, 2020	March 26, 2023
JSR Micro N.V.	BE20/819943937	April 25, 2020	April 24, 2023
JSR Micro Inc.,	OHS13340	March 18, 2019	March 17, 2022

◆ Social Data

Accidents and other Incidents

	Boundary	Unit	2016	2017	2018	2019	2020
Logistics-related workplace accidents	JSR Corporation	Accident	----	----	0	0	0
Traffic accidents resulting in injury to others			----	----	0	0	0
Traffic accidents resulting in injury to JSR employee			----	----	0	0	0

Achieving a modal shift

	Boundary	Unit	2016	2017	2018	2019	2020
Transport volume ^{※4}	JSR Corporation	1 million tons-km	562	534	514	434	324
Modal shift rate ^{※5}		%	87	86	85	85	83

※4 Transport volumes for products and raw materials transported and delivered from JSR Corporation's own warehouses and contracted outside warehouses to specified destinations in Japan

※5 Ton-km: [Cargo weight (tons)] x [transport distance (kilometers)]

◆ Social Data

Human Resources Data								
	Boundary	Unit	FY2016	FY2017	FY2018	FY2019	FY2020	
Consolidated number of employees	JSR Group	Person	6,790	7,203	8,748	9,050	9,383	
Non-regular employee ratio (non-regular / employee + non-regular)	JSR Group	%	11	9	13	8	7	
Employee ratios by region	Japan	JSR Group	%	68	64	60	59	57
	Asia (excluding Japan)			18	19	16	20	21
	United States			9	13	20	16	18
	Europe			5	4	4	5	4

As of the end of each fiscal year (March 31)

	Boundary	Unit	FY2015	FY2016	FY2017	FY2018	FY2019	
% of female employees	List of JSR Corporation and Group companies *1	%	–	–	–	18	16.9	
Number of employees	Male	Person	2,858	2,848	2,883	2,933	2,974	
			Female	470	483	494	515	537
				Total	3,328	3,331	3,377	3,448
Number of hires	New graduates*2	Male			80	66	74	89
			Female		15	15	15	18
				Total	95	81	89	107
	Mid-career	Male			19	23	31	25
			Female		3	4	11	7
				Total	22	27	42	32
Average number of years of continuous service	Year	13			13.2	12.9	13.3	13.6
		14.8	15.1		14.8	14.7	14.7	
		13.2	13.5	13.2	13.5	13.8		
Turnover rate for personal reasons	%	1.1	1.1	1.4	1.2	1.3		
Turnover rate within three years of joining company		2.1	1.1	6.4	7.4	6.9		
Layoff	Person	0	0	0	0	0		

As of the end of each fiscal year (March 31)

*1 For the scope of data collection, please refer to the Group Companies List.

*2 As of the beginning of each fiscal year (April 1)

*3 Including seconded employees

Annual Total Working Hours/Annual Total Overtime Hours/Average annual salary							
	Boundary	Unit	FY2016	FY2017	FY2018	FY2019	FY2020
Per-person total working hours	JSR Corporation*3	Hour	1,977	1,966	1,969	1,950	1,903
Per-person total overtime hours			225	215	220	214	148
% of annual paid leave taken		%	–	–	–	85.2	81.0
Average annual salary*4		1,000 JPY	7,424	7,432	7,551	7,546	7,360

*3 Including seconded employees

*4 Average annual salary includes bonuses and non-standard wages.

◆ Social Data

Education/Training and Overseas Assignments							
	Boundary	Unit	FY2016	FY2017	FY2018	FY2019	FY2020
Per-person total training hours* ⁵	JSR Corporation* ³	Hour	17.7	16.8	14.7	18.7	12.4
e-learning program on the Principles of Corporate Ethics	JSR Corporation & its group companies in Japan	Hour/Person	0.5	0.5	0.5	0.5	0.5
e-learning program on the confidential information management			0.5	0.5	0.5	0.5	0.5
e-learning program on anti-monopoly law · anti-corruption · subcontract law management			0.5	0.5	0.5	0.5	0.5
e-learning program on information security			–	0.5	0.5	0.5	0.5
e-learning program on quality compliance			–	0.5	1.0	0.5	–
e-learning program on safety			–	–	–	0.5	0.5
e-learning program on work style reform law			–	–	0.5	–	0.5
Number of employees sent to overseas training	JSR Corporation* ³	Person	12	9	8	11	6

*3 Including seconded employees

*5 This total was calculated by including technology and skill training, employee level-based training, and other training organized by human resources departments. It therefore does not include hours spent in education provided by organizations other than

Diversity Development								
	Boundary	Unit	FY2016	FY2017	FY2018	FY2019	FY2020	
% of women hired annually per position* ²	College graduates, engineering positions	%	15	20	18	19	24	
	College graduates, administrative position		60	50	45	38	54	
% of women in managerial positions* ²			3.6	3.8	4.1	4.3	4.1	
% of female workers at unit chief level* ²	JSR Corporation* ³	%	–	–	–	8.9	9.4	
% of female executives* ²		%	–	–	–	6.1	9.1	
Career Re-Entry System		Registered	Person	5	4	5	5	3
		Rehired	Person	1	1	2	4	2
Hiring of foreign nationals		Person	Person	3	3	1	3	7
Employment rate of individuals with disabilities		%	%	2.32	2.47	2.43	2.38	2.34

As of the end of each fiscal year (March 31)

*2 As of the beginning of each fiscal year (April 1)

*3 Including seconded employees

※Corrected the career re-entry persons in 2019 (in red)

◆ Social Data

Work-Life Management Data

Number of work-balance support benefit users		Boundary	Unit	FY2016	FY2017	FY2018	FY2019	FY2020	
Fertility treatment	Shortened working hours	JSR Corporation*3	Person	0	1	2	0	0	
Childbirth	Prenatal & postpartum maternity leave system *5			23	21	24	19	18	
	Childcare leave system*5			Female	19	24	22	36	36
				Male	11	41	38	62	59
				Total	30	65	60	98	95
	Extended childcare leave counseling			14	13	28	15	17	
Balancing work and childcare	Shortened working hours*6			87	91	101	113	119	
Balancing work and nursing care	Shortened working hours			2	3	1	1	2	
	Nursing-care leave*7			3	8	7	11	6	
	Extended nursing-care leave			1	0	1	3	0	
Other	Discretionary labor system*1	107	108	111	122	122			
	Special volunteer leave(The value in parentheses represents the total number of leave days taken)	3 (7)	0 (-)	7 (17)	2(2)	0 (-)			

As of the end of each fiscal year (March 31)

*2 As of the beginning of each fiscal year (April 1)

*3 Including seconded employees

*6 The telecommuting system has been implemented since fiscal 2019 by eliminating the requirements for childcare and nursing care.

*7 At the request of employees who use various systems, we lend mobile devices that can access our corporate network from home.

*8 Per employee request, mobile devices with remote access to the company network are provided under this benefit.

*9 Number includes pregnant benefit users.

Number of employees eligible for work-balance support allowances		Boundary	Unit	FY2016	FY2017	FY2018	FY2019	FY2020
Extended childcare leave allowance		JSR Corporation*3	Person	26	67	53	80	75
Post-childcare leave reinstatement allowance				19	16	30	28	22
Daycare allowance				6	7	15	18	16

As of the end of each fiscal year (March 31)

*3 Including seconded employees

Union Data

		Boundary	Unit	FY2016	FY2017	FY2018	FY2019	FY2020
JSR labor union members	Number of subscribers	JSR Corporation*3	Person	3,490	3,545	3,588	3,739	3,766
	Subscription rate (organization rate)		%	100	100	100	100	100

As of the end of each fiscal year (March 31)

*3 Including seconded employees

◆ Governance Data

Corporate Governance

			Boundary	Unit	FY2016	FY2017	FY2018	FY2019 *1	FY2020	
Board of Directors	Inside Directors (executive directors)	Male	JSR Corporation	Person	4	4	4	5	5	
		Female			0	0	0	0	1	
		Total			4	4	4	5	6	
	Independent Outside Directors (non-executive directors)	Male			3	3	3	3	3	
		Female			0	0	0	0	0	
		Total			3	3	3	3	3	
	Total	Male			7	7	7	8	8	
		Female			0	0	0	0	1	
		Total			7	7	7	8	9	
	% Independent Outsider				%	43	43	43	38	33
	% Female Director				%	0	0	0	0	11
	Term of Office				Year/Term	1	1	1	1	1
Maximum age limit for directors		Years old	None	None	None	None	None			
Number of BOD meetings held in a fiscal year				Times	17	17	17	17	17	

*1 Mr. Manabu Miyasaka, a former outside director (term of office from June 18, 2019 to September 5, 2019), is excluded from this table.

			Boundary	Unit	FY2016	FY2017	FY2018	FY2019 *1	FY2020
Audit & Supervisory Board (formerly known as Statutory Auditors Board)	Insider	Male	JSR Corporation	Person	1	1	1	1	1
		Female			0	0	0	0	0
		Total			1	1	1	1	1
	Independent Outsider	Male			1	1	1	1	1
		Female			1	1	1	1	1
		Total			2	2	2	2	2
	Total	Male			2	2	2	2	2
		Female			1	1	1	1	1
		Total			3	3	3	3	3
	% Independent Outsider				%	67	67	67	67
% Female Audit & Supervisory Board Member		%	33	33	33	33	33		
Term of office		Year/Term	4	4	4	4	4		
Number of Audit & Supervisory Board meetings held in a year				Times	19	19	18	18	18

			Boundary	Unit	FY2016	FY2017	FY2018	FY2019 *1	FY2020
Nomination Advisory Committee	Chaired by Independent Outside Director		JSR Corporation	Yes/No	Yes	Yes	Yes	Yes	Yes
	Committee Member	Independent Outside Directors		Person	3	3	3	3	3
		Inside Director		2	2	2	1	2	
		Total		5	5	5	4	5	
Number of meetings held in a year				Times	3	3	3	3	3
Remuneration Advisory Committee	Chaired by Independent Outside Director		JSR Corporation	Yes/No	Yes	Yes	Yes	Yes	Yes
	Committee Member	Independent Outside Directors		Person	3	3	3	3	3
		Inside Director		1	1	1	1	2	
		Total		4	4	4	4	5	
Number of meetings held in a year				Times	4	4	4	4	7

*1 Mr. Manabu Miyasaka, a former outside director (term of office from June 18, 2019 to September 5, 2019), is excluded from this table.

◆ Governance Data

		Boundary	Unit	FY2016	FY2017	FY2018	FY2019	FY2020
Number of officers*	Male	JSR Corporation	Person	21 (3)	24 (3)	24 (3)	25 (2)	25 (3)
	Female			1 (0)	1 (0)	1 (0)	1 (0)	1 (1)
	Total			22 (3)	25 (3)	25 (3)	26 (2)	26 (5)

Remuneration for Directors and Audit & Supervisory Board Members

			Boundary	Unit	FY2016	FY2017	FY2018	FY2019	FY2020
Remuneration for Directors	Inside Directors	Basic Remuneration (Fixed remuneration)	JSR Corporation	Million JPY	195	183	186	264	246
		Annual Bonuses (Short term performance linked remuneration)			48	69	50	64	182
		Medium-term performance-based bonus			–	–	25	48	abolition
		Restricted Stock Shares (Remuneration in share stock)			–	28	37	100	124
		Deep Discounted Stock Option (Remuneration in share stock)			34	9	–	–	–
		Sub-total			277	289	298	476	552
	Outside Directors	Basic Remuneration (Fixed remuneration)			40	40	42	47	43
		Sub-total			40	40	42	47	43
	Total				317	329	340	523	595
	Remuneration for Audit & Supervisory Board members	Inside Audit & Supervisory Board Member			Basic Remuneration (Fixed remuneration)	JSR Corporation	Million JPY	28	28
Sub-total			28	28	29			28	28
Outside Audit & Supervisory Board Members		Basic Remuneration (Fixed remuneration)	17	17	20			22	22
		Sub-total	17	17	20			22	22
Total		45	45	49	50			50	

List of Remuneration for individual Directors paid in FY2020 *2

Name	Position	Name of Company	Unit	Description of consolidated remuneration				Total
				Basic Remuneration	Restricted Stock shares	Medium-term performance-based bonus	Stock Option as Remuneration	
Eric Johnson	Director	JSR Corporation	Million JPY	56	60	–	33	311
	President	JSR North America Holdings, Inc.	Million JPY	69	60	–	33	
Nobuo Kawahashi	Director	JSR Corporation	Million JPY	80	34	–	21	135
Mitsunobu Koshiba	Director	JSR Corporation	Million JPY	83	–	–	21	104

*2 the above list is limited to Directors whose annual remuneration

◆ Governance Data

Accounting Auditors								
		Boundary	Unit	FY2016	FY2017	FY2018	FY2019	FY2020
Amount of remuneration for Accounting Auditors	Remuneration for services relating to auditing or certifying the financial documents	JSR Corporation and its consolidated subsidiaries	Million JPY	68	67	87	116	112
	Remuneration for non-auditing services			5	24	0	0	2
Amount of remuneration for Accounting Auditors	Remuneration for services relating to auditing or certifying the financial documents	JSR Corporation and its consolidated subsidiaries	Million JPY	–	–	39	72	96
	Remuneration for non-auditing services			–	–	42	28	42

◆ Governance Data

Activities of Directors and Audit & Supervisory Board Members in FY2020

Name, Gender, Nationality	Title*	Age*	Tenure*	Activities	Attendance to the meetings in fiscal year ending in march 2020		
Eric Johnson, Male, U.S.A.	Representative Director and CEO	60	2 years	Since assuming the position of Representative Director and CEO in 2019, Mr. Johnson has been driving the Life Sciences Business's expansion as the Managing Officer responsible for overseeing the North America Business as well as leading the Group's management by applying his global management experience. He is striving to ensure that JSR is a company that earns the trust and satisfaction of all stakeholders. He put his abundant work experience and knowledge to use in decision-making concerning important matters and in supervising work execution at Board of Directors meetings, and he contributed to the continuous improvement of the Group's corporate value.	BOD	Times/ Times 17 / 17	100%
Nobuo Kawahashi, Male, Japan	Representative Director and President, COO	64	5 years	Since assuming the position of Representative Director and President in 2019, Mr. Kawahashi has supported JSR's foundation by assisting the CEO and overseeing the Elastomers Business, Plastics Business, and Digital Solutions Business based on JSR's management policies and strategies. He put his abundant work experience and knowledge to use in decision-making concerning important matters and in supervising work execution at Board of Directors meetings, and he contributed to the continuous improvement of the Group's corporate value.	BOD	17 / 17	100%
Mitsunobu Koshiba, Male, Japan	Director and Chairman of the Board	65	15 years	Since assuming the position of Representative Director and Chairman in 2019, Mr. Koshiba has served as the Chairman of the Board, strengthened corporate governance, and lifted the Group's corporate value by raising the Board of Director's effectiveness. He put his abundant work experience and knowledge to use in decision-making concerning important matters and in supervising work execution at Board of Directors meetings, and he contributed to the continuous improvement of the Group's corporate value.	BOD	17 / 17	100%
					Nomination Advisory Committee	3 / 3	100%
					Remuneration Advisory Committee	4 / 4	100%
Kouichi Kawahashi, Male, Japan	Director and Executive Managing Officer	64	5 years	Mr. Kawasaki is in charge of production/ technology, quality assurance, environmental safety, human resources development, and diversity development, and he contributes to higher corporate value for the Group. He put his abundant work experience and knowledge to use in decision-making concerning important matters and in supervising work execution at Board of Directors meetings, and he contributed to the continuous improvement of the Group's corporate value.	BOD	17 / 17	100%
Hideki Miyazaki, Male, Japan	Director and Managing Officer	63	3 years	Mr. Miyazaki takes charge of accounting, finance, corporate communications, system strategy, cyber security supervision, and business process innovation by utilizing abundant experience and broad knowledge of finance in Japan and abroad that he acquired over many years, and he contributes to higher corporate value for the Group. He put his abundant work experience and knowledge to use in decision-making concerning important matters and in supervising work execution at Board of Directors meetings, and he contributed to the continuous improvement of the Group's corporate value.	BOD	17 / 17	100%

Name, Gender, Nationality	Title [※]	Age [※]	Tenure [※]	Activities	Attendance to the meetings in fiscal year ending in march 2020	
Mika Nakayama, Female, Japan	Director and Senior Managing Officer	60	1 year	Ms. Nakayama contributes to higher corporate value for the Group as JSR's Chief Sustainability Officer. She put her abundant work experience and knowledge to use in decision-making concerning important matters and in supervising work execution at Board of Directors meetings, and she contributed to the continuous improvement of the Group's corporate value.	BOD 13 / 13 100%	
Yuzuru Matsuda, Male, Japan	Independent Outside Director	72	6 years	Attending 17 of the 17 Board of Directors meetings held during the fiscal year, Mr. Matsuda utilized his abundant experience gained through the management of companies engaged in international business in the fields of ethical pharmaceuticals and bio-chemicals as well as an outside perspective independent of the Company, made necessary comments on deliberations of proposals and other matters as appropriate, and contributed to the continuous enhancement of corporate value by ensuring the rationality of management decisions and the transparency and soundness of management. He also served as the chairperson of the Remuneration Advisory Committee and worked to ensure the rationality and transparency of the remuneration system for directors and corporate auditors, and he examined business succession plans for the Group's management structure from an objective and long-term perspective as the chairperson of the Nomination Advisory Committee.	BOD 17 / 17 100%	
					Nomination Advisory Committee	3 / 3 100%
					Remuneration Advisory Committee	7 / 7 100%
Shiro Sugata, Male, Japan	Independent Outside Director	71	5 years	Attending 17 of the 17 Board of Directors meetings held during the fiscal year, Mr. Sugata utilized his abundant experience gained through the management of companies engaged in international business in optical application products, industrial machinery, and other fields and through financial activities as well as an outside perspective independent of the Company, made necessary comments on deliberations of proposals and other matters as appropriate, and contributed to the continuous enhancement of corporate value by ensuring the rationality of management decisions and the transparency and soundness of management. He also served as a member of the Remuneration Advisory Committee and worked to ensure the rationality and transparency of the remuneration system for directors and corporate auditors, and he examined business succession plans for the Group's management structure from an objective and long-term perspective as a member of the Nomination Advisory Committee.	BOD 17 / 17 100%	
					Nomination Advisory Committee	3 / 3 100%
					Remuneration Advisory Committee	7 / 7 100%

Name, Gender, Nationality	Title [*]	Age [*]	Tenure [*]	Activities	Attendance to the meetings in fiscal year ending in March 2020
Tadayuki Seki, Male, Japan	Independent Outside Director	71	4 years	Attending 17 of the 17 Board of Directors meetings held during the fiscal year, Mr. Seki utilized his abundant experience in managing a company engaged in international business as a general trading company and extensive experience in finance and accounting as a CFO as well as an outside perspective independent of the Company, made necessary comments on deliberations of proposals and other matters as appropriate, and contributed to the continuous enhancement of corporate value by ensuring the rationality of management decisions and the transparency and soundness of management. He also served as a member of the Remuneration Advisory Committee and worked to ensure the rationality and transparency of the remuneration system for directors and corporate auditors, and he examined business succession plans for the Group's management structure from an objective and long-term perspective as a member of the Nomination Advisory Committee.	BOD 17 / 17 100%
					Nomination Advisory Committee 3 / 3 100%
					Remuneration Advisory Committee 7 / 7 100%
Atsushi Kumano, Male, Japan	Full-time Audit & Supervisory Board Member	63	1 year	As the Standing Auditor, Mr. Iwabuchi applied his abundant experience, knowledge, and expertise gained at the Company, shared those attributes with outside auditors, and utilized those attributes in audits of directors' decision-making and the circumstances of business execution, and he helped to ensure the rationality of the Company's management decisions and the transparency and soundness of its management.	BOD 13 / 13 100%
					Audit & Supervisory Board 18 / 18 100%
Hisako Kato, Female, Japan	Independent Outside Audit & Supervisory Board Member	72	7 years	Attending 17 of the 17 Board of Directors meetings and 18 of 18 Audit & Supervisory Board meetings held during the fiscal year, Ms. Kato made use of her broad expertise and extensive experience in finance and accounting as a certified public accountant and certified tax accountant as well as an outside perspective independent of the Company in Company audits, made necessary comments on deliberations of proposals and other matters as appropriate, and helped to ensure the rationality of management decisions and the transparency and soundness of management.	BOD 17 / 17 100%
					Audit & Supervisory Board 18 / 18 100%
Sumio Moriwaki, Male, Japan	Independent Outside Audit & Supervisory Board Member	64	4 years	Attending 17 of the 17 Board of Directors meetings and 18 of 18 Audit & Supervisory Board meetings held during the fiscal year, Mr. Moriwaki made use of his broad expertise and extensive experience in the law as an attorney as well as an outside perspective independent of the Company in Company audits, made necessary comments on deliberations of proposals and other matters as appropriate, and helped to ensure the rationality of management decisions and the transparency and soundness of management.	BOD 17 / 17 100%
					Audit & Supervisory Board 18 / 18 100%

*1 As of June 17, 2021 (at the close of the 76th AGM of the Company)

◆ Governance Data

Compliance								
		Boundary	Unit	FY2016	FY2017	FY2018	FY2019	FY2020
Amount of corporate income tax paid	JSR Corporation and consolidated subsidiary in Japan	same as the left hand column	Million JPY	–	12,565	9,547	9,435	3,266
	Consolidated Subsidiaries in other countries			–	2,204	1,434	3,338	2,127
Political Donations/contribution		JSR Corporation		–	0	0	0	0
		Boundary	Unit	FY2016	FY2017	FY2018	FY2019	FY2020
Number of CSR Committee meetings held in a year		JSR Corporation	Times	6	7	4	5	4
Violation of each country's anti-corruption laws and international standards	Number of violations	JSR Group	Times	0	0	0	0	0
	Penalty	JSR Group	JPY	0	0	0	0	0
Number of times the JSR Group hotline was used		JSR Corporation	Number	3	2	6	3	9
		Group companies		3	4	10	7	17
		Unknown		0	0	1	0	0
Number of times the supplier hotline was used		JSR Corporation	Number	0	0	0	0	0
		Group companies		0	0	0	0	0
Research and Development (R&D)								
		Boundary	Unit	FY2016	FY2017	FY2018	FY2019	FY2020
R&D expenses		JSR Group	Billion JPY	197	203	249	254	246
		JSR Corporation	Billion JPY	155	165	191	205	193
Number of researchers		JSR Corporation	Person	673	680	727	747	766
Number of patents held	Japan	JSR Corporation	Number	3,266	3,282	3,258	2,960	2,695
	Other than Japan			3,738	3,812	3,793	3,710	3,446
	Total			7,004	7,094	7,051	6,670	6,141

JSR Group Companies (As of 31st May, 2021)

49 consolidated companies, 7 non-consolidated companies, 9 affiliates accounted for by the equity method, and 19 scope of RC reporting

Japan											
Country	Companies' name	Business segment					Consolidated companies	Non-consolidated companies	Equity-method affiliates	RC reporting	Employees by gender
		Digital Solutions	Life Sciences	Elastomer	Plastics	Others					
Japan	JSR Micro Kyushu Co., Ltd.	●					●			※	*
	D-MEC LTD.	●					●				*
	JAPAN FINE COATINGS Co., Ltd.	●							◆		
	JSR Life Sciences Corporation		●				●			※	
	MEDICAL & BIOLOGICAL LABORATORIES CO., LTD.		●				●				
	G&G SCIENCE CO., LTD.		●				●				
	MBL Venture Capital Co.,Ltd.		●				●				
	ELASTOMIX CO., LTD.	●		●			●			※	*
	Emulsion Technology, Co., Ltd.	●		●			●			※	*
	Japan Butyl Co., Ltd.			●					◆		*
	KRATON JSR ELASTOMERS K. K.			●					◆		
	Techno-UMG Co., Ltd.				●		●			※	*
	JAPAN COLORING CO., LTD.				●		●			※	*
	JM Energy Corporation ※ ¹					●	●				*
	LEXI Co., Ltd.		●				●				*
	Rapithela Corporation					●		●			
	JSR Active Innovation Fund, LLC,						●				
	JSR Trading Co., Ltd.	●	●	●		●	●				*
	Goko Trading Co., Ltd.			●		●	●				*
	JEY-TRANS CO., LTD.					●			◆		
JSR Logistics & Customer Center Co., Ltd.					●	●			※	*	
JSR ENGINEERING CO., LTD.					●	●			※	*	
JSR Business Services Co., Ltd.					●	●				*	
JN System Partners Co., Ltd.					●			◆			

※ 1 : JM Energy Corporation was transferred to an equity method affiliate as of April 1, 2020.

※ 2 : JSR Engineering Co., Ltd. merged with its parent company, JSR Corporation, on April 1, 2021.

Korea, Taiwan, China

Korea, Taiwan, China											
Country	Companies' name	Business segment					Consolidated companies	Non-consolidated companies	Equity-method affiliates	RC reporting	Employees by gender
		Digital Solutions	Life Sciences	Elastomer	Plastics	Others					
Korea	JSR Electronic Materials Korea Co., Ltd.	●							◆		
	JSR Micro Korea Co., Ltd.	●					●			※	*
	Kumho Polychem Co., Ltd.			●					◆		
	JSR Elastomer Korea Co., Ltd.			●				●			
Taiwan	JSR Micro Taiwan Co., Ltd.	●					●			※	*
China	JSR (Shanghai) Co., Ltd.	●	●	●			●				
	JSR Micro (Changshu) Co., Ltd.	●					●				
	MBL Beijing Biotech Co., Ltd.		●				●				*
	MBL Hangzhou Biotech Co., Ltd.		●				●				*
	Tianjin Kuo Cheng Rubber Industry Co., Ltd.			●					◆		
	ELASTOMIX(FOSHAN) CO., LTD.			●			●			※	
	JSR Trading (Shanghai) Co., Ltd.			●		●	●				*
	Techno-UMG Guangzhou Co., Ltd.				●		●				*
	Techno-UMG Hong Kong Co., Ltd.				●		●				*
Techno-UMG Shanghai Co., Ltd.				●		●				*	

※ 3 : JSR Corporation transferred all shares of Kumho Petrochemical Co., Ltd. to Kumho Petrochemical Co., Ltd. on July 1, 2021.

Southeast Asia, South Asia

Country	Companies' name	Business segment					Consolidated companies	Non-consolidated companies	Equity-method affiliates	RC reporting	Employees by gender
		Digital Solutions	Life Sciences	Elastomer	Plastics	Others					
Indonesia	PT.ELASTOMIX INDONESIA			●			●			※	*
Vietnam	JSR Trading Vietnam Co., Ltd.					●		●			*
Thailand	JSR BST Elastomer Co., Ltd.			●			●			※	*
	ELASTOMIX (THAILAND) CO., LTD.			●			●			※	
	Techno-UMG Asia Co., Ltd.				●		●				*
	JSR Trading Bangkok Co., Ltd.			●		●	●				*
India	JSR Elastomer India Private Limit			●				●			

Europe

Country	Companies' name	Business segment					Consolidated companies	Non-consolidated companies	Equity-method affiliates	RC reporting	Employees by gender
		Digital Solutions	Life Sciences	Elastomer	Plastics	Others					
Hungary	JSR MOL Synthetic Rubber, Ltd.			●			●				*
Germany	JSR Elastomer Europe GmbH			●				●			*
	Techno-UMG Europe GmbH				●		●				*
Swiss	Selexis SA		●				●				
Belgian	JSR Micro N.V.	●	●				●			※	
	EUV Resist Manufacturing & Qualification Center N.V.	●					●			※	
	KBI Biopharma BVBA		●				●				

North and Central America

Country	Companies' name	Business segment					Consolidated companies	Non-consolidated companies	Equity-method affiliates	RC reporting	Employees by gender
		Digital Solutions	Life Sciences	Elastomer	Plastics	Others					
USA	JSR North America Holdings, Inc.					●	●				*
	JSR Micro, Inc.	●					●			※	
	JSR Life Sciences, LLC		●				●				
	Crown Bioscience International		●				●				
	KBI Biopharma, Inc.		●				●				
	KBI Biopharma Boulder, LLC		●				●				
	MBL International Corporation		●				●				
	JSR Elastomer America, Inc.			●			●				
	Techno-UMG America, Inc				●		●				*
Mexico	ELASTOMIX MEXICO, S.A. de C.V.			●				●		※	
	JSRT Mexico S.A. de C.V.					●		●			*