

## Ethylene Propylene Rubber / EPR

In comparison with diene type rubbers, JSR EP excels in heat resistance, ozone resistance, weather resistance, in particular, since JSR EP does not have any double bonds in the main chain of the polymer molecule.

Since broad range of Ethylene Content and Mooney Viscosity are prepared, you may select the most suitable product for your application either in plastic modification or in rubber application.

In addition, since it excels in steam resistance, low temperature characteristics, and electrical characteristics, as well as enables high loading of fillers, it is applied broadly to tires, tubes, belts, hoses, water-proof sheets, weatherstrips, electrical wires, various automotive parts, etc.

Classification	Grade	Mooney Viscosity ML <sub>1+4</sub> (125°C)	Ethylene Content (%)	Type of Dienes	Diene Content (%)	Oil (phr)	Characteristics	Applications
EPM	JSR EP11	40*	52	-	-	-	Low Mooney Viscosity, Low ethylene type	Heat resistant belts and wires, other heat resistant products
Low I <sub>2</sub> No ENB	JSR EP93	31	55	ENB	2.7	-	Good aging set properties	Tire tube blends, water-proof sheets, rubberized cloth
Medium I <sub>2</sub> No ENB	JSR EP21	26	61	ENB	5.8	-	Low filler loading, Good extrusion properties	Electric wires, electric cables, weatherstrips, extruded products, automotive parts
	JSR EP22	27	54	ENB	4.5	-	Low Mooney type EP24	Various automotive parts, hoses, industrial goods
	JSR EP24	42	54	ENB	4.5	-	Typical low Mooney Medium ENB content	
	JSR EP25	63	59	ENB	5.1	-	High speed curing, High filler loading, good extrusion	Various automotive parts, various extrusion products
	JSR EP27	70	54	ENB	4.5	-	Typical High Mooney Medium ENB content	Various automotive parts, hoses, industrial goods
	JSR EP51	23	67	ENB	5.8	-	Low filler loading, High speed extrusion	Electric wires, electric cables, various extruded products
	JSR EP57F	58	66	ENB	4.5	-	Typical high Mooney Viscosity, High ethylene type	Radiator hoses, heater hoses, other extruded products
	JSR EP57C	58	66	ENB	4.5	-	Crumb type of EP57F	
	JSR EP103AF	91	59	ENB	4.5	-	High filler loading, Good low temperature characteristics	Weatherstrips and other extruded products
High I <sub>2</sub> No ENB	JSR EP33	28	52	ENB	8.1	-	Typical low Mooney Viscosity, High ENB content	White side walls, cover strips, sponges, weatherstrips, packings
	JSR EP35	56	52	ENB	8.1	-	Typical High Mooney Viscosity, High ENB content	
	JSR EP65	48	54	ENB	9	-	Improved processability type EP35	
Oil Extended ENB	JSR EP96	61	66	ENB	5.8	50	High filler loading oil extended EPDM	Weatherstrips, sponges, vibration isolators, heat resistant hoses
	JSR EP98	69	66	ENB	4.5	75	Super high filler loading oil extended EPDM	

\*ML<sub>1+4</sub>(100°C)