

## Emulsion Polymerization Non-Oil Extended Styrene Butadiene Rubber / ESBR

JSR 1500 : The most typical grade of staining type non-oil extended SBR

It excels in physical properties such as tensile strength, tear resistance, aging resistance, and abrasion resistance. Furthermore, since rosin acid soap is used as the emulsifier, it abounds in tackiness, and excels in processability

JSR 1502 : A mixed soap of rosin acid and fatty acid is used as the emulsifier, and it is the most typical grade of non-staining, non-oil extended SBR

JSR 1507 : This is a low Mooney Viscosity, non-staining, non-oil extended SBR

JSR 0202 : Non-staining, non-oil extended SBR having high Bound Styrene

JSR 1503 : Non-staining, non-oil extended SBR having good water resistance

Grade	Product Stain	Bound Styrene(%)	Mooney Viscosity ML <sub>1+4</sub> (100°C)	Emulsifier	Coagulant	Specific Gravity	Application
JSR 1500	ST	23.5	52	RA	Salt/Acid	0.94	Tire tread, camelback, conveyor belt, hose, other black products
JSR 1502	NS	23.5	52	RA/FA	Salt/Acid	0.94	Sidewall, footwear, rubberized fabric, other light colored products, non-staining type black products
JSR 1507	NS	23.5	35	RA/FA	Salt/Acid	0.94	Light colored, translucent products such as sponge, industrial goods, rubberized fabric, and toys. In addition, black products requiring good processability
JSR 0202	NS	46	45	RA/FA	Salt/Acid	0.98	Footwear, sponge, industrial goods, other translucent products, non-staining type black products
JSR 1503	NS	23.5	52	RA/FA	Glue/Acid	0.93	Industrial goods which require water resistance and non-corrosion behavior towards metal

## Emulsion Polymerization Oil-Extended Styrene Butadiene Rubber / ESBR

JSR 1723 : The most typical grade of staining type oil-extended SBR and a successor grade of 171

JSR 0122 : High styrene type of 1723

JSR 1778 : A typical non-staining type oil-extended SBR

JSR 1778N : A typical non-staining type oil-extended SBR

Grade	Product Stain	Bound Styrene(%)	Mooney Viscosity ML <sub>1+4</sub> (100°C)	Emulsifier	Coagulant	Oil (%)	Specific Gravity	Application
JSR 1723	ST	23.5	43	RA/FA	Salt/Acid	*1:27.3	0.93	Tire tread, camelback, conveyor belt, hose, other black products.
JSR 0122	ST	37	52	RA/FA	Salt/Acid	*1:25.4	0.95	
JSR 1778	NS	23.5	55	RA/FA	Salt/Acid	*2:27.3	0.92	Light colored, translucent products such as footwear, rubberized fabric, tire carcass, sidewall, and other non-staining type black products.
JSR 1778N	NS	23.5	46	RA/FA	Salt/Acid	*2:27.3	0.92	

\*1 : Aromatic oil

\*2 : Petroleum hydrocarbon· lubricating base oil.