



Formerly known as



JSR Corporation
www.jsr.co.jp

EMULSION STYRENE BUTADIENE RUBBER

Cold Emulsion Co-polymer of Styrene and Butadiene. It is one of the most widely used Synthetic Rubbers. It provides Excellent uniformity compared with Natural Rubber.

NON OIL SBR Grades

Grade	1500	1502	1507	202	1503
Product Stain	ST	NS	NS	NS	NS
Bound Styrene (%)	23.5	23.5	23.5	46	23.5
Mooney Viscosity ML 1+4 (100°)	52	52	35	45	52
Emulsifier	RA	RA/FA	RA/FA	RA/FA	FA
Coagulant	Salt/Acid	Salt/Acid	Salt/Acid	Salt/Acid	Glue/Acid
Specific Gravity	0.94	0.94	0.94	0.98	0.93
Characteristics	The most typical Grade of Staining type Non-Oil Extended SBR. It Excels in Physical Properties such as Tensile Strength, Tear Resistance, Aging Resistance & Abrasion Resistance	A Mixed Soap of Rosin Acid & Fatty Acid is used as the emulsifier, & it is the most Typical Grade of Non - Staining, Non -Oil Extended SBR.	Low Mooney Viscosity, Non-Staining, Non -Oil Extended SBR	Non -Staining, Non -Oil Extended SBR having High Bound Styrene.	Non - Staining, Non -Oil Extended SBR Having Good Water Resistance.
Application	Tire Tread, CamelBack, Conveyor Belt, Hose, Other Black Products.	Sidewall, Footwear, Rubberized Fabric, Other Light Colored Products, Non - Staining Type Black Products.	Light Colored, Translucent Product Such as Sponge, Industrial Goods, Rubberized Fabric & Toys. In Addition, Black products requiring Good Processability	Footwear, Sponge, Industrial Goods, Other Translucent Products, Non -Staining type Black Products.	Industrial Goods which Require Water Resistance & Non - Corrosion behaviour towards Metal.

OIL EXTENDED SBR Grades

Grade	1712	0120	1714	1778	1778N
Product Stain	ST	ST	ST	NS	NS
Bound Styrene (%)	23.5	35	23.5	23.5	23.5
Mooney Viscosity ML 1+4 (100°)	47	51	52	55	46
Emulsifier	RA/FA	RA/FA	RA/FA	RA/FA	RA/FA
Coagulant	Salt/Acid	Salt/Acid	Salt/Acid	Salt/Acid	Salt/Acid
Oil (PHR)	HA:37.5	HA:37.5	HA:50	37.5	37.5
Specific Gravity	0.96	0.97	0.96	0.92	0.92
Characteristics	The Most Typical Grade of Staining Type Oil -Extended SBR.	High Styrene Type of 1712	A Typical Staining Type Oil - Extended SBR.	A Typical Non -Staining type Oil -Extended SBR.	
Application	Tire Tread, Camel Back, Conveyor Belt, Hose, Other Black Products.		Black Products	Light Colored, Translucent Products such as Footwear, Rubberized Fabric, Tire Carcass, Sidewall & Other Non -Staining Type Black Products.	