

SBR–1502

Cold Emulsion Styrene-Butadiene Rubber – (E-SBR)



Product Description

Styrene-Butadiene Rubber “TJPC 1502” is produced by a technology of cold emulsion copolymerization based on soaps of rosin and fatty acids and contains 23.5% of chemically bonded styrene. It is coagulated by a system of acid and synthetic coagulant and stabilized by a non-staining antioxidant.

TJPC® 1502 has very good properties such as processability, abrasion resistance, less tendency to scorching.

Applications

TJPC 1502 is appropriate for rubber compounds used in the production of tire sidewall, floor coverings, bicycle tires, footwear, children toys, cables, hosepipes and various rubber articles having light colour shades.

PARAMETERS	UNITS	TYPICAL VALUES	TEST METHOD
MOONEY VISCOSITY (ML 1+4 @ 100 °C)	MU	46-58	ASTM D1646
MOONEY VISCOSITY (ML 1+4 @ 100 °C)-COMPOUND²	MU	<84	ASTM D1646
VOLATILE MATTERS	% wt.	< 0.75	ASTM D5668
TOTAL ASH	% wt.	< 1.5	ASTM D5667
ORGANIC ACIDS	% wt.	4.75 -7.5	ASTM D5774
SOAPS	% wt.	< 0.5	ASTM D5774
BOUNDED STYRENE	% wt.	22.5-24.5	ASTM D5775
TENSILE STRENGTH(35 MIN CURED)²	kg/cm ²	>250	ASTM D 412
ULTIMATE ELONGATION(35 MIN CURED)²	%	>350	ASTM D 412
300 % MODULUS(35 MIN CURED)²	kg/cm ²	167-207	ASTM D 412

Compounding formula according ASTM D–3182 & D–3185.

Producer: Takht-e Jamshid Petrochemical Co (TJPC)

Packing: 35 ±0.5 KG bales wrapped with polyethylene film.

36 bales per crate (1260±18 KG).

IMPORTANT: The information and data presented herein are based on values from respective product manufacture. Therefore, no warranty or guarantee, expressed or implied, is made nor is any accountability accepted with respect to the use of such information and data. All mentioned data are typical values and not to be considered as legally binding specification.