

## SBR-1712

Cold Emulsion Oil extended Styrene-Butadiene Rubber - (E-SBR)



### Product Description

Styrene-Butadiene Rubber "TJPC 1712" 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 and extended with 37.5 parts highly aromatic oil. It is coagulated by a system of acid and synthetic coagulant. The rubber is protected by stabilizer system. Raw materials for this product are carefully chosen for the best physical properties.

TJPC® 1712 has very good properties such as processability, abrasion resistance, less tendency to scorching processing.

### Applications

Application possibilities for TJPC® 1712 include tire and mechanical goods compounds where colour and staining are not decisive factors.

PARAMETERS	UNITS	TYPICAL VALUES	TEST METHODS
MOONEY VISCOSITY (ML 1+4 @ 100 °C)	MU	42-52	ASTM D1646
MOONEY VISCOSITY (ML 1+4 @ 100 °C)-COMPOUND <sup>2</sup>	MU	<62	ASTM D1646
VOLATILE MATTERS	% wt.	< 0.75	ASTM D5668
TOTAL ASH	% wt.	< 1.5	ASTM D5667
ORGANIC ACIDS	% wt.	3.9-5.7	ASTM D5774
SOAPS	% wt.	< 0.5	ASTM D5774
BOUNDED STYRENE	% wt.	22.5-24.5	ASTM D5775
OIL CONTENT	% wt.	25.8 – 28.8	ASTM D 1416
TENSILE STRENGTH(35 MIN CURED) <sup>2</sup>	kg/cm <sup>2</sup>	> 200	ASTM D 412
ULTIMATE ELONGATION(35 MIN CURED) <sup>2</sup>	%	> 530	ASTM D 412
300 % MODULUS(35 MIN CURED) <sup>2</sup>	kg/cm <sup>2</sup>	79-109	ASTM D 412

Compounding 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).

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