

TJPC 1712

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

CHARACTERISTICS

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 process-ability, abrasion resistance, less tendency to scorching processing.

APPLICATION

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

Typical Properties¹

Typical Properties	Units	Values	Test method
Raw Mooney viscosity	MU	42-52	ASTM D1646
Volatile Material	% wt	< 0.75	ASTM D5668
Ash Content	% wt	< 1	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 D5775
Compound Mooney viscosity ²	MU	<62	ASTM D1646
Tensile strength (35 min cured) ²	kg/cm ²	>200	ASTM D 412
Ultimate elongation (35 min cured) ²	%	>530	ASTM D 412
300 % Modulus (35 min cured) ²	kg/cm ²	79-109	ASTM D 412

¹ The above data is only a typical value and to each shipping lot/delivery a quality certificate including data on properties of the product determined during release control is issued. Scope of the testing which is covered by the quality certificate is each time agreed upon in the sales contract.

² Compounding according ASTM D-3182 & D-3185.

PACKAGING

- 35 ±0.5 KG bales wrapped with polyethylene film.
- 36 bales per crate (1260±18 KG).

TRANSPORTATION

TJPC1712 is typically transported in covered road trucks, in covered railway carriages and in standard shipping containers. TJPC 1712 is not a dangerous material to transport.

STORAGE

Product should be stored in sheltered conditions away from direct sunlight away from radiant heating elements and the temperature should not exceed 30°C. Shelf time of SBR1712 product is for 2 years.

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