TJPC 1500

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

CHARACTERSTICS

Styrene-Butadiene Rubber "TJPC 1500" 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 staining antioxidant.
TJPC 1500 has very good properties such as process ability, abrasion resistance, and fewer tendencies to scorching.

APPLICATION

TJPC 1500 is appropriate for rubber compounds used in the production of car tires, conveyor belts, footwear, cables, hosepipes and various technical rubber articles.

Typical Properties[1]

Typical Properties	Units	Values	Test method
Raw Mooney viscosity	MU	46-58	ASTM D1646
Volatile Material	% wt	< 0.75	ASTM D5668
Ash Content	% 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
Compound Mooney viscosity[2]	MU	<84	ASTM D1646
Tensile strength (35 min cured)[2]	kg/cm²	>250	ASTM D 412
Ultimate elongation (35 min cured)[2]	%	>470	ASTM D 412
300 % Modulus (35 min cured)[2]	kg/cm²	119-159	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 formula according ASTM D-3182 & D-3185.

PACKAGING

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

TRANSPORTATION

TJPC1500 is typically transported in covered road trucks, in covered railway carriages and in standard shipping containers. TJPC 1500 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.

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