TJPC 1723

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

CHARACTERSTICS

TJPC 1723 is an emulsion styrene-butadiene rubber obtained by cold polymerization using mixture of rosin acid and fatty acid soaps as emulsifiers, contains 23.5% of chemically bonded styrene. It is plasticized with 37.5 parts of TDAE oil (extender oil with reduced content of polycyclic aromatics) which does comply with EU DIRECTIVE 2005/69/EC for use in tires within the EU. A phenolic antioxidant is added during the production process.

TJPC 1723 is a general purpose rubber characterized by good process ability, mechanical properties and abrasion resistance. Due to the lower oil T_g, it shows a slight advantage in rolling resistance performance compared to TJPC 1712.

APPLICATION

The main application is tire production. It can be processed in all sectors of the tire and rubber industry.

Typical Properties[1]

Typical Properties	Units	Values	Test method
Raw Mooney Viscosity	MU	42-52	ASTM D1646
Volatile Material	% wt	< 0.75	ASTM D5668
Ash Content	% wt	< 0.5	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 D5775
Compound Mooney viscosity[2]	MU	<62	ASTM D1646
Tensile strength (35 min cured)[2]	kg/cm²	>200	ASTM D 412
Ultimate elongation (35 min cured)[2]	%	>530	ASTM D 412
300 % Modulus (35 min cured)[2]	kg/cm²	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

TJPC 1723 is typically transported in covered road trucks, in covered railway carriages and in standard shipping containers. TJPC 1723 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.

TJPC

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