



## TJPC 1705

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

#### CHARACTERISTICS

Styrene-Butadiene Rubber "TJPC 1705" 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 highly aromatic oil(14.5-17%). 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 1705 has very good properties such as process-ability, abrasion resistance, less tendency to scorching processing.

#### APPLICATION

Application possibilities for TJPC 1705 include tire and mechanical goods compounds where color and staining are not decisive factors.

#### Typical Properties<sup>1</sup>

Typical Properties	Units	Values	Test method
Raw Mooney viscosity	MU	46-56	ASTM D1646
Volatile Material	% wt	< 0.6	ASTM D5668
Ash Content	% wt	< 0.6	ASTM D5667
Organic acids	% wt	<6.0	ASTM D5774
Soaps	% wt	< 0.25	ASTM D5774
Bounded styrene	% wt	22-25	ASTM D5775
Oil Content	% wt	14.5-17	ASTM D5775
Tensile strength (35 min cured) <sup>2</sup>	kg/cm <sup>2</sup>	>225	ASTM D 412
Ultimate elongation (35 min cured) <sup>2</sup>	%	450-650	ASTM D 412
300 % Modulus (35 min cured) <sup>2</sup>	kg/cm <sup>2</sup>	>100	ASTM D 412

<sup>1</sup> 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.

<sup>2</sup> 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

TJPC1705 is typically transported in covered road trucks, in covered railway carriages and in standard shipping containers. TJPC 1705 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.



4<sup>th</sup> Floor, Petrochemical Commercial Company (Building 2), No.38, 9<sup>th</sup> St. Gandhi, Africa Blvd, Tehran, Iran  
P. Code: 1517769513, Tel: (+9821) 88662055, Fax: (+9821) 88662070, E-mail: sales@tjpc.ir