

# TJPC 1721

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

### CHARACTERISTICS

Styrene-Butadiene Rubber “TJPC 1721” is produced by a technology of cold emulsion copolymerization based on soaps of rosin and fatty acids and contains 40% 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.

### APPLICATION

SBR 1721 is recommended for tire applications, especially where improved wet grip properties are required, and other applications include molded and extruded mechanical goods with low resilience.

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

Typical Properties	Units	Values	Test method
Raw Mooney viscosity	MU	50-60	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	38.5-41.5	ASTM D5775
Oil Content	% wt	25.8-28.8	ASTM D5775
Compound Mooney viscosity <sup>2</sup>	MU	<75	ASTM D1646
Tensile strength (35 min cured) <sup>2</sup>	kg/cm <sup>2</sup>	>210	ASTM D 412
Ultimate elongation (35 min cured) <sup>2</sup>	%	>440	ASTM D 412
300 % Modulus (35 min cured) <sup>2</sup>	kg/cm <sup>2</sup>	95-135	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 Metal bales per crate (1260±18 KG).

### TRANSPORTATION

TJPC 1721 is typically transported in covered road trucks, in covered railway carriages and in standard shipping containers. TJPC 1721 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.

