

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 Properties¹

| 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 ² | MU | <75 | ASTM D1646 |
| Tensile strength (35 min cured) ² | kg/cm ² | >210 | ASTM D 412 |
| Ultimate elongation (35 min cured) ² | % | >440 | ASTM D 412 |
| 300 % Modulus (35 min cured) ² | kg/cm ² | 95-135 | 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 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.



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