

Technical Data Sheet

Product: SBR-1712

In compliance with regulation (EC) № 1907/2006

Description

The synthetic butadiene-alpha-methylstyrene (styrene) rubber is produced by emulsion copolymerization of butadiene with alpha-methylstyrene (styrene) at low temperatures with an emulsifier. The mixture of VTS-150 and VS-1 is used as an antioxidant. The SBR-1712 is an oil-extended rubber filled with the oil PN-6 (DAE type oil).

Applications

The SBR-1712 is a general-purpose rubber and it is widely used in the tire industry to produce auto-tire casings and to produce various mechanical rubber goods.

Specifications

Parameter	Value
Mooney viscosity MB 1+4 (100 °C)	47-57
Viscosity lot spread, max.	+/-3
Conditional tensile strength, MPa (kgf/cm ²), min.	22,0 (225)
Elongation at rupture, %	550 – 750
Residual deformation after rupture, %, max.	20
Rebound elasticity, %, min.	29
Mass fraction of ash, %, max.	0,6
Mass loss on drying, %, max.	0,35
Mass fraction of metals, %, max.	
• Cu	0,0002
• Fe	0,005
Mass fraction of the antioxidant, %	
• VTS-150	1,0 – 1,4
• VS-1	0,15 – 0,35
Mass fraction of organic acids, %	4,0 – 5,6
Mass fraction of organic acid soaps, %, max.	0,15
Mass fraction of the oil PN-6 (DAE type oil), %	26,5 – 29,0
Mass fraction of the second bound monomer, %	
• alphas-methylstyrene	22 – 25
• styrene	22 – 25

Packaging

The SBR-1712 is produced in the form of bales about 30 kg each, wrapped in polyethylene film. Packed in universal plywood containers (UPC). (See appendix)

Storage and transportation

Rubber is stored indoors at a temperature not higher than +30 °C. During storage, the rubber must be protected from contamination, direct sunlight, and precipitation.



Universal Plywood Container (UPC)

Characteristics:

- The plywood box is equipped with a laminated polypropylene fabric cover for cargo safety;
- The box is folding with a removable wall for easy unloading;
- Metal elements ensure container durability;
- The box is assembled manually without the need to use auxiliary materials or tools.

Parameters:

Tare Weight: 70 kg (\pm 5 kg)

Net weight: 1,260 kg (42 briquettes)

Gross Weight: 1,330 kg (42 briquettes)

