

Technical Data Sheet

Product: SKMS-30 ARK/ SBR-1500

Description

Styrene-butadiene rubber SKMS-30 ARK (SBR-1500) is a styrene and butadiene copolymer obtained by emulsification method with the use of mixture of rosin and fatty acids soaps.

The monomers are registered under EU REACH.

Application

SKMS-30 ARK (SBR-1500) is used in the tire industry and for the production of mechanical rubber goods.

Specifications

| Parameter | Value | Test Method |
|---|-------------|----------------------|
| Mooney viscosity MML 1+4 (100°C) | 47-56 | ASTM D 1646 (7.2.2) |
| Nominal tensile strength, MPa (kgf/cm ²), min | 27,9 (285) | ASTM D 412 |
| Mass fraction of oil, %, within the limits | - | - |
| Ash content, %, max | 0,5 | ASTM D 5667 (part A) |
| Mass fraction of the bound second monomer (alpha-methylstyrene), %, within the limits | 22,5 – 24,5 | ASTM D 5775 |
| Mass fraction of organic acids, %, within the limits | 5,0 – 6,0 | ASTM D 5774 |
| Organic acids soaps content, %, less than | 0,3 | ASTM D 5774 |

Packaging

SBR-1500 is produced in the form of bales about 30 kg each, wrapped in polyethylene film. Packed in plastic or plywood containers of 1,260 kg.

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.