

Technical Data Sheet

Product: SKS-30 ARKM-27/ SBR-1723

Description

Styrene-butadiene rubber SKS-30 ARKM-27 (SBR-1723) is a styrene and butadiene copolymer obtained by cold polymerization with the use of mixture of rosin and fatty acids soaps, filled with TDAE-type aromatic oil and stabilized by staining antioxidant.

The monomers are registered under EU REACH.

Application

Widely used in tire, industrial rubber, and other industries.

Specifications

Parameter	Value	Test Method
Mooney viscosity MML 1+4 (100°C)	46-58	ASTM D 1646 (7.2.2)
Mooney viscosity spread within a batch, units, max	8	-
Volatile matter content, %, max (1 hour)	0,6	ASTM D 5668 (C)
Ash content, %, max	0,6	ASTM D 5667 (part A)
Bound styrene content, %	22 – 25	ASTM D 5775
Antioxidant VS-1 content, %	0,3 – 0,8	Method of supplier
Oil (TDAE) content, %	25 – 30	ASTM D 5774
Solvent extract content, %	29 – 37	ASTM D 5774
Organic acids content, %	4,0 – 5,8	ASTM D 5774
Organic acids soaps content, %, max	0,30	ASTM D 5774
Tensile stress at 300% elongation, MPa, min	9,8	ASTM D 412 (A)
Tensile strength, MPa, min	18,0	ASTM D 412 (A)
Relative elongation at break, %, min	380	ASTM D 412 (A)

Packaging

SBR-1723 is produced in the form of bales about 30 kg each, wrapped in polyethylene film. Packed in plastic or plywood containers of 1,080 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.