

SBS R 39-00

Styrene-butadiene-styrene block copolymer

Radial styrene-butadiene thermoplastic elastomer SBS R 39-00 is essentially a product of styrene and butadiene block polymerization in hydrocarbon solution in the presence of alkylolithium catalyst. SBS R 39-00 is dusted with calcium stearate or amorphous silica. It is containing a no staining stabilizer.

Appearance: crumbs or powder white to light-beige color; weight — 14 kg or 900-1000 kg

Package: pallets or soft bag-container (big bag)

Shelf life: 1 (one) year from the date of manufacture

Storage conditions: not higher than 40 °C, in place protected from direct sunlight and atmospheric precipitation

Parameters	SBS R 39-00	Test method
Toluene solution viscosity 5,23% / 25 °C, cSt	≥ 22	ASTM D 445
Volatile matter content, % wt	≤ 0,8	ASTM D 5668
Ash content, % wt:		
a) calcium stearate	≤ 0,3	ASTM D 5667
b) silica	≤ 1,0	
Content of bound styrene, % wt	39,0±2,0	method of supplier
Content of two-block copolymer, %	8,0±2,0	method of supplier
Melt flow index, 190°C/ 5 kg, g/10 min	< 1	method of supplier
Tensile strength, MPa	≥ 21,0	ASTM D 412
Tensile stress at 300 % elongation, MPa	≥ 3,8	ASTM D 412
Ultimate elongation, %	≥ 650	ASTM D 412
Hardness, Shore A	≥ 92	ASTM D 2240

Technical support service: techservice@sibur.ru

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