

Forumchem Technical Specification Sheet

SBS R 35-00

Styrene-butadiene-styrene Block Copolymer

Radial styrene-butadiene thermoplastic elastomer SBS R 35-00 is essentially a product of styrene and butadiene block polymerization in hydrocarbon solution in the presence of alkyllithium catalyst. SBS R 35-00 is dusted with calcium stearate or amorphous silica. It is containing a no staining stabilizer.

Parameters	SBS R 35-00	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	≤ 1,2	
Content of bound styrene, % wt	33,5–35,0	method of supplier
Content of two-block copolymer, wt %	19,0 ± 2,0	method of supplier
Melt flow index, 190°C/ 5 kg, g/10 min	< 1	method of supplier
Tensile strength, MPa	≥18,0	ASTM D 412
Tensile stress at 300 % elongation, MPa	≥ 3,0	ASTM D 412
Ultimate elongation, %	≥ 650	ASTM D 412
Hardness, Shore A	≥85	ASTM D 2240

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 atmospheric precipitation