

Forumchem Technical Specification Sheet

SBS R 30-00 K

Styrene-butadiene-styrene Block Copolymer

Radial styrene-butadiene thermoplastic elastomer SBS R 30-00 K is a product of styrene and butadiene block polymerization in hydrocarbon solution in the presence of alkyllithium catalyst. SBS R 30-00 K is dusted with calcium stearate or amorphous silica. It is containing a no staining stabilizer

Parameters	SBS R 30-00 K	Test Method
Di-block content, wt %	10,0 ± 2,0	method of supplier
Toluene solution viscosity 5,23% / 25 °C, cSt	24 ± 4	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	31,0 ± 2,0	method of supplier
Melt flow index, 190°C/ 5 kg, g/10 min	< 1	method of supplier
Tensile strength, MPa	≥ 13,0	ASTM D 412
Tensile stress at 300 % elongation, MPa	≥ 3,0	ASTM D 412
Ultimate elongation, %	≥ 650	ASTM D 412
Hardness, Shore A	≥84	ASTM D 2240

Appearance: crumbs or powder white to light-beige color; weight — 14 kg or 800–1000 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