

# 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.

**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 year since the date of manufacture

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

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, 200 °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

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