

SBS R 7372

Styrene-butadiene-styrene block copolymer

Radial styrene-butadiene thermoplastic elastomer SBS R 7372 is essentially a product of styrene and butadiene block polymerization in hydrocarbon solution in the presence of alkyllithium catalyst. SBS R 7372 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 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 7372	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 %	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

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