

# 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.

**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 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	≤1,0	
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

Technical support service: [techservice@sibur.ru](mailto:techservice@sibur.ru)

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### MOSCOW

16/1 Krzhizhanovskogo St., Moscow,  
117218  
Phone: +7 (495) 777-55-00; +7 (495)  
780-55-00  
E-mail: [info@sibur.ru](mailto:info@sibur.ru)

### VIENNA

SIBUR International Gesellschaft m.b.H.  
Prinz Eugen-Straße 8-10 1040 Vienna, Austria  
tel.: +43 1 370 8000  
e-mail: [info@sibur-int.com](mailto:info@sibur-int.com)  
[www.sibur-int.com](http://www.sibur-int.com)

### ISTANBUL

SIBUR International Trading (Istanbul)  
Business Park, B1 Blok, Kat.9, No.318,  
Yeşilköy, Bakırköy, Istanbul, Turkey  
tel.: +90 (212) 465 2321  
e-mail: [info@sibur-int.com](mailto:info@sibur-int.com)  
[www.sibur-int.com](http://www.sibur-int.com)

### SHANGHAI

SIBUR International Trading (Shanghai) Co., Ltd  
Rm.62T70, SWFC Century Ave.100 Pudong New  
Area, Shanghai  
tel: +86 (021) 2206 5066  
e-mail: [infoChina@sibur-int.com](mailto:infoChina@sibur-int.com)  
[www.sibur-int.cn](http://www.sibur-int.cn)