

SBS L 7413

Styrene-butadiene-styrene block copolymer

Linear styrene-butadiene thermoplastic elastomer SBS L 7413 is essentially a product of styrene and butadiene block polymerization in hydrocarbon solution in the presence of alkyl lithium catalyst. SBS L 7413 is dusted with calcium stearate, zinc 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 L 7413 | Test method |
|---|------------|--------------------|
| Volatile matter content, wt % | ≤0,5 | ASTM D 5668 |
| Ash content, wt %: | | |
| a) calcium stearate or zinc stearate | ≤0,3 | ASTM D 5667 |
| b) silica | ≤1,2 | |
| Content of bound styrene, wt % | 36,0–39,0 | method of supplier |
| Melt flow index, 190 °C/ 5 kg, g/10 min | 8,0–18 | method of supplier |
| Tensile strength, MPa | 8,0 | ASTM D 412 |
| Tensile stress at 300 % elongation, MPa | 2,0 | ASTM D 412 |
| Ultimate elongation, % | 700 | ASTM D 412 |
| Hardness, Shore A | 81–93 | ASTM D 2240 |

Technical support service: 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

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
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
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
www.sibur-int.cn