

## Polimeri Europa Europrene® SOL T 177 Styrene - Butadiene Block Copolymer

Category : Polymer , Thermoplastic , Styrene-Butadiene , Styrene/Butadiene/Styrene (SBS)

### Material Notes:

Europrene® SOL T 177 is a radial block copolymer obtained by anionic polymerization. The polymer is based on styrene and butadiene, where bound styrene is 50% weight. The polymer is extended with paraffinic oil (40 phr). A non-staining antioxidant system is added during the production process. Key Features: Europrene® SOL T 177 is a block copolymer with radial structure, providing excellent mechanical properties, high strength and elasticity in a wide range of formulated products. The oil addition allows good flow characteristics. Main Applications: Used as a high strength base in formulated compounds for footwear, the grade is specifically designed for high hardness compounds. Information provided by Polimeri Europa. Mechanical properties measured on ASTM D 4703 compression molded samples.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polimeri-Europa-Europrene-SOL-T-177-Styrene-Butadiene-Block-Copolymer.php](http://www.lookpolymers.com/polymer_Polimeri-Europa-Europrene-SOL-T-177-Styrene-Butadiene-Block-Copolymer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.940 g/cc	0.940 g/cc	ASTM D792
Melt Flow	15 g/10 min @Load 5.00 kg, Temperature 190 °C	15 g/10 min @Load 11.0 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	86	86	ASTM D2240
Tensile Strength at Break	15.0 MPa	2180 psi	ASTM D412
Elongation at Break	950 %	950 %	ASTM D412
300% Modulus	0.00300 GPa	0.435 ksi	ASTM D412
Abrasion	170	170	[mm <sup>3</sup> ]; DIN 53516

## Contact Songhan Plastic Technology Co.,Ltd.

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