

Polimeri Europa Europrene® SOL T 161B Styrene - Butadiene Block Copolymer

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

Material Notes:

Europrene® SOL T 161B is a radial block copolymer obtained by anionic polymerization. The polymer is based on styrene and butadiene, where bound styrene is 30% weight. A non-staining antioxidant system is added during the production process. Key Features: Europrene® SOL T 161B is a block copolymer with radial molecular structure, providing excellent mechanical properties, high strength and elasticity in a wide range of formulated products. Main Applications: Used in bitumen modification in waterproofing membranes, road pavement and pipe coating applications. Also used as a high strength base in formulated compounds for footwear and technical applications, the grade could be suitable for adhesives and plastic modification. Information provided by Polimeri Europa. Mechanical properties measured on ASTM D4703 compression molded samples.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polimeri-Europa-Europrene-SOL-T-161B-Styrene-Butadiene-Block-Copolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.940 g/cc	0.940 g/cc	ASTM D792
Brookfield Viscosity	2.0 cP	2.0 cP	Toluene sol., 25% wt; ASTM D1084
Melt Flow	<= 1.0 g/10 min @Load 5.00 kg, Temperature 190 °C	<= 1.0 g/10 min @Load 11.0 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	82	82	ASTM D2240
Tensile Strength at Break	18.0 MPa	2610 psi	ASTM D412
Elongation at Break	700 %	700 %	ASTM D412
300% Modulus	0.00250 GPa	0.363 ksi	ASTM D412

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