

Polimeri Europa Europrene® SOL T 166 Styrene - Butadiene Block Copolymer

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

Material Notes:

Europrene® SOL T 166 is a linear 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 166 is a linear block copolymer, providing excellent dispersability and processability, combined with high strength and elasticity. Main Applications: Characterized by the excellent dispersability and processability, the grade is widely used in adhesive formulated products, in compounding for both footwear and technical applications and as a toughening agent in polymer modification and plastic recycling. The grade is also suitable for bitumen modification in both waterproofing membranes and road pavement applications. 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-166-Styrene-Butadiene-Block-Copolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.940 g/cc	0.940 g/cc	ASTM D792
Brookfield Viscosity	0.13 cP	0.13 cP	Toluene sol., 25% wt; ASTM D1084
Melt Flow	6.0 g/10 min @Load 5.00 kg, Temperature 190 °C	6.0 g/10 min @Load 11.0 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	72	72	ASTM D2240
Tensile Strength at Break	20.0 MPa	2900 psi	ASTM D412
Elongation at Break	800 %	800 %	ASTM D412
300% Modulus	0.00250 GPa	0.363 ksi	ASTM D412

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