

Polimeri Europa Europrene® SOL T 172 Styrene - Butadiene Block Copolymer

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

Material Notes:

Europrene® SOL T 172 is a radial block copolymer obtained by anionic polymerization. The polymer is based on styrene and butadiene, where bound styrene is 30% weight. The polymer is extended with paraffinic oil (45 phr). A non-staining antioxidant system is added during the production process. Key Features: Europrene® SOL T 172 is a block copolymer with radial structure, where the oil addition allows extremely good flow characteristics and an easy processability. The grade provides excellent mechanical properties and outstanding abrasion resistance, in a wide range of formulated products. Main Applications: Used as a high strength base in formulated compounds for footwear and technical applications, the grade is used in the modification of polymers and in plastic recycling. 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-172-Styrene-Butadiene-Block-Copolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.920 g/cc	0.920 g/cc	ASTM D792
Melt Flow	9.0 g/10 min @Load 5.00 kg, Temperature 190 °C	9.0 g/10 min @Load 11.0 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	46	46	ASTM D2240
Tensile Strength at Break	9.00 MPa	1310 psi	ASTM D412
Elongation at Break	900 %	900 %	ASTM D412
300% Modulus	0.00140 GPa	0.203 ksi	ASTM D412
Abrasion	90	90	[mm ³]; DIN 53516

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