

Polimeri Europa Europrene® SOL T 190 Styrene - Isoprene Block Copolymer

Category : Polymer , Thermoplastic , Elastomer, TPE , Styrenic TPE

Material Notes:

Europrene® SOL T 190 is a linear block copolymer obtained by anionic polymerization. The polymer is based on styrene and isoprene, where bound styrene content is 16% weight and diblock content is 25%. A non-staining, TNPP free antioxidant system is added during the production process. Key Features: Europrene® SOL T 190 is an easy processable, general purpose grade, characterized by an optimum balance of adhesive and cohesive properties. Main Applications: The polymer is designed for hot melt pressure-sensitive adhesive applications. Europrene® SOL T 190 is also used in bitumen modification when enhanced adhesive properties are required. 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-190-Styrene-Isoprene-Block-Copolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.920 g/cc	0.920 g/cc	ASTM D792
Brookfield Viscosity	0.10 cP	0.10 cP	Toluene sol., 25% wt; ASTM D1084
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	30	30	ASTM D2240
Tensile Strength at Break	12.0 MPa	1740 psi	ASTM D412
Elongation at Break	1200 %	1200 %	ASTM D412
300% Modulus	0.00100 GPa	0.145 ksi	ASTM D412

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