

Polimeri Europa Europrene® SOL TH 2314 Styrene - Ethylene / Butylene Block Copolymer

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

Material Notes:

Europrene® SOL TH 2314 is a linear block copolymer obtained by selective hydrogenation of styrene-butadiene-styrene block copolymers. The polymer is based on styrene and ethylene/butylene, where bound styrene content is 31%wt. A non-staining, TNPP free antioxidant system is added during the production process. Key Features: Europrene® SOL TH 2314 is a linear triblock copolymer of medium-high molecular weight, designed for technical compound applications. The grade is characterized by excellent processability, mechanical properties and ageing resistance. Main Applications: Europrene® SOL TH 2314 is designed for technical compound applications. High performance compounds base on Europrene® SOL TH 2314 show excellent elastic and tensile characteristics, in a wide range of flowability and hardness. SOL TH 2314 could also be used in polymer modification. 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-TH-2314-Styrene-Ethylene-Butylene-Block-Copolymer.php

Physical Properties	Metric	English	Comments
Melt Flow	<= 1.0 g/10 min @Load 5.00 kg, Temperature 200 °C	<= 1.0 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	70	70	ASTM D2240
Tensile Strength at Break	24.0 MPa	3480 psi	ASTM D412
Elongation at Break	550 %	550 %	ASTM D412
300% Modulus	0.00400 GPa	0.580 ksi	ASTM D412

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