

## Polimeri Europa Europrene® SOL TH 2312 Styrene - Ethylene / Butylene Block Copolymer

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

### Material Notes:

Europrene® SOL TH 2312 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 30%wt. A non-staining, TNPP free antioxidant system is added during the production process. Key Features: Europrene® SOL TH 2312 is a linear triblock copolymer of medium molecular weight. It is characterized by excellent processability, mechanical properties and ageing resistance. Main Applications: Europrene® SOL TH 2312 is designed for hot melt adhesives and polymer modification. The grade is also widely used in technical compounds where softness and clarity are required. Due to its easy dispersibility, SOL TH 2312 can be used in bitumen modification for roofing 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-TH-2312-Styrene-Ethylene-Butylene-Block-Copolymer.php](http://www.lookpolymers.com/polymer_Polimeri-Europa-Europrene-SOL-TH-2312-Styrene-Ethylene-Butylene-Block-Copolymer.php)

Physical Properties	Metric	English	Comments
Brookfield Viscosity	0.16 cP	0.16 cP	Toluene sol., 20% wt; ASTM D1084
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	75	75	ASTM D2240
Tensile Strength at Break	30.0 MPa	4350 psi	ASTM D412
Elongation at Break	600 %	600 %	ASTM D412
300% Modulus	0.00500 GPa	0.725 ksi	ASTM D412

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