

Kraton® D1170 B (SIBS) Linear Triblock Copolymer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

Description: Kraton D1165 P is a clear, linear triblock copolymer based on styrene and isoprene with a polystyrene content of 30%. It is supplied from North America in the physical form identified: Kraton D1165 PT - supplied as a dusted dense pellet
Region: Asia Pacific, Europe, Japan, North America, and South America
Uses: Kraton D1165 P is used in compound formulations and as a modifier of thermoplastics. It may also find use in formulating adhesives, sealants, coatings and modified bitumens
Applications: Adhesives, Sealant and Coatings; Compounding and Personal Hygiene; Impact Modification; Footwear; and Bitumen Modification
Information provided by Kraton®

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kraton-D1170-B-SIBS-Linear-Triblock-Copolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.920 g/cc	0.920 g/cc	ISO 2781
Bulk Density	0.400 g/cc	0.0145 lb/in ³	ASTM D 1895 method B
Volatiles	<= 0.30 %	<= 0.30 %	KM 04
Viscosity	1100 cP	1100 cP	25% Toluene Solution at 25°C; KM 06
Melt Flow	13 g/10 min @Load 5.00 kg, Temperature 200 °C	13 g/10 min @Load 11.0 lb, Temperature 392 °F	ISO 1133
Ash	0.40 - 0.80 %	0.40 - 0.80 %	ISO 247

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	46 @Time 10.0 sec	46 @Time 0.00278 hour	Measured on compression molded slabs; ISO 868
Tensile Strength	11.0 MPa	1600 psi	Measured on a pressed sample; ISO 37
Elongation at Break	1200 %	1200 %	Measured on a pressed sample; ISO 37
300% Modulus	0.00140 GPa	0.203 ksi	Measured on a pressed sample; ISO 37

Descriptive Properties	Value	Comments
Content	Antioxidant	0.08-0.21%, Primary antioxidant is non-staining phenolic antioxidant, KM 08
	Polystyrene	17-21%, KM 03

Descriptive Properties	Total Extractables Value	<1.0% KM 05 Comments
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