

Kraton® D1160 B (SIS) Linear Triblock Copolymer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

Description: Kraton D1160 B is a clear linear triblock copolymer based on styrene and isoprene with bound styrene of 18.5% mass. It is supplied from South America in the physical form identified: Kraton D1160 BT - supplied as a porous pellet dusted with talc
 Region: South America, Europe, Asia Pacific, North America, and Japan
 Uses: Kraton D1160 B is used in formulating adhesives, in particular hot melt pressure sensitive adhesives.
 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-D1160-B-SIS-Linear-Triblock-Copolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.920 g/cc	0.920 g/cc	ISO 2781
Bulk Density	0.350 g/cc	0.0126 lb/in ³	ASTM D1895
Volatiles	<= 0.30 %	<= 0.30 %	KM 04
Brookfield Viscosity	700 - 1100 cP	700 - 1100 cP	25% Toluene Solution at 25°C; KM 06
Molecular Weight	168000 - 188000 g/mol	168000 - 188000 g/mol	KM 01
Melt Flow	5.0 - 13 g/10 min @Load 5.00 kg, Temperature 200 °C	5.0 - 13 g/10 min @Load 11.0 lb, Temperature 392 °F	ISO 1133
Ash	<= 0.50 %	<= 0.50 %	BT; ISO 247

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	48 @Time 30.0 sec	48 @Time 0.00833 hour	Measured on compression molded slabs; ISO 868
Tensile Strength	32.0 MPa	4640 psi	Measured on films cast from a toluene solution; ISO 37
Elongation at Break	1300 %	1300 %	Measured on films cast from a solution in toluene; ISO 37
300% Modulus	0.00190 GPa	0.276 ksi	Measured on films cast from a solution in toluene; ISO 37

Descriptive Properties	Value	Comments
Content	Non-staining phenolic antioxidant	>0.08%, KM 08
	Polystyrene	17.4-20.5%, KM 03

Descriptive Properties	Value	Comments
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