

Kraton® D1161 B (SIS) Linear Block Copolymer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

Description: Kraton D1161 B is a clear, linear block copolymer based on styrene and isoprene with a polystyrene content of 15%. It is supplied from South America in the physical form identified: Kraton D1161 BT - supplied as a porous pellet dusted with talcKraton D1161 BSM - supplied as a powder dusted with silicaRegion: South America, Europe, Asia Pacific, North America, and Japan Uses: Kraton D1161 B is used as an ingredient in formulating adhesives, sealants and coatings. It may also find use as a modifier of bitumen and polymers.Applications: Adhesives, Sealant and Coatings; Compounding and Personal Hygiene; Impact Modification; Footwear; and Bitumen ModificationInformation provided by Kraton®

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kraton-D1161-B-SIS-Linear-Block-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 method B
Volatiles	<= 0.30 %	<= 0.30 %	KM 04
Brookfield Viscosity	1100 cP	1100 cP	25% Toluene Solution at 25°C; KM 06
Melt Flow	8.5 - 19 g/10 min @Load 5.00 kg, Temperature 200 °C	8.5 - 19 g/10 min @Load 11.0 lb, Temperature 392 °F	ISO 1133
Ash	<= 0.50 %	<= 0.50 %	BT; ISO 247
	2.5 - 5.0 %	2.5 - 5.0 %	BSM, See Note 1); ISO 247

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	30 @Time 30.0 sec	30 @Time 0.00833 hour	Measured on compression molded slabs; ISO 868
Tensile Strength	28.0 MPa	4060 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	0.000900 GPa	0.131 ksi	Measured on films cast from a solution in toluene; ISO 37

Descriptive Properties	Value	Comments
Content	Antioxidant	0.08-0.21%, primary phenolic antioxidant, KM 08

Descriptive Properties	Polystyrene Value	13.5-16.5%, KM 03 Comments
	Total Extractables	<1.0%, KM 05
Coupling Efficiency	78-84%	KM 01

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