

Kraton® D1160 E (SIS) Linear Triblock Copolymer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

Description: Kraton D1160 E is a clear linear triblock copolymer based on styrene and isoprene with bound styrene of 18.5% mass. It is supplied from Europe in the physical form identified: D1160 ES - supplied as porous pellets dusted with silica D1160 EU - supplied as undusted porous pellets
Region: South America, Europe, Asia Pacific, North America, and Japan
Uses: Kraton D1160 E 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-E-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 method B
Volatiles	<= 0.30 %	<= 0.30 %	KM 04
Brookfield Viscosity	1000 cP	1000 cP	25% Toluene Solution at 25°C; KM 06
Molecular Weight	168000 - 188000 g/mol	168000 - 188000 g/mol	KM 01
Melt Flow	9.0 g/10 min @Load 5.00 kg, Temperature 200 °C	9.0 g/10 min @Load 11.0 lb, Temperature 392 °F	ISO 1133
Ash	0.10 - 0.40 %	0.10 - 0.40 %	S; ISO 247

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	48 @Time 30.0 sec	48 @Time 0.00833 hour	ISO 868
Tensile Strength	32.0 MPa	4640 psi	ISO 37
Elongation at Break	1300 %	1300 %	ISO 37
300% Modulus	0.000190 GPa	0.0276 ksi	ISO 37

Descriptive Properties	Value	Comments
Content	Antioxidant	>0.06%, primary phenolic antioxidant, KM 08
	Polystyrene	17.4-20.5%, KM 03
	Total Extractables	<1.0%, KM 05

Descriptive Properties	Value	Comments
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