

Kraton® G1652 E (SEBS) Linear Block Copolymer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

Description: Kraton G1652 E polymer is a clear, linear triblock copolymer based on styrene and ethylene/butylene, S-E/B-S, with bound styrene of 30% mass. It is supplied from Europe in the physical form shown: Kraton G1652 EU - supplied as undusted fluffy crumbKraton G1652 ES - supplied as fluffy crumb dusted with amorphous silicaRegion: Asia Pacific, Europe, Japan, North America, and South America
Uses: Kraton G1652 E is used as a modifier of bitumen or thermoplastics and in compound formulations. It is also suitable as an ingredient in formulating compounds for footwear applications and may be used in formulating adhesives, sealants and coatings.Applications: Adhesives, Sealant and Coatings; Bitumen Modification; Compounding and Personal Hygiene; Impact Modification; Medical; Packaging and Polymod; and Personal Care

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kraton-G1652-E-SEBS-Linear-Block-Copolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.910 g/cc	0.910 g/cc	ISO 2781
Volatiles	<= 0.60 %	<= 0.60 %	KM 04
Brookfield Viscosity	400 - 530 cP @Temperature 25.0 Å°C	400 - 530 cP @Temperature 77.0 Å°F	25% Toluene solution
Melt Flow	6.0 g/10 min @Load 5.00 kg, Temperature 230 Å°C	6.0 g/10 min @Load 11.0 lb, Temperature 446 Å°F	ISO 1133
Ash	0.70 - 1.1 %	0.70 - 1.1 %	ISO 247

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	69	69	10 seconds.; ASTM D 2240
Tensile Strength, Ultimate	31.03 MPa	4501 psi	ASTM D412
Elongation at Break	500 %	500 %	ASTM D412
300% Modulus	0.00483 GPa	0.701 ksi	ASTM D412

Descriptive Properties	Value	Comments
Content	Antioxidant	>0.03%, KM 08
	Polystyrene	28.2-30%, KM 03, polystyrene content measured on finished product after hydrogenation
	Total Extractables	<1.0%, KM 05

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