

Kraton® G1650 E (SEBS) Linear Block Copolymer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

Description: Kraton G1650 E is a clear linear triblock copolymer based on styrene and ethylene/butylene, S-E/B-S, with bound styrene of 29.2% mass. It is supplied from Europe in the physical forms identified: Kraton G1650 EU - supplied as undusted fluffy crumb Kraton G1650 ES - supplied as fluffy crumb dusted with amorphous silica
Region: Asia Pacific, Europe, Japan, North America, and South America
Uses: Kraton G1650 E is used for formulating adhesives and coatings, as a base material for compound formulations, as a modifier of thermoplastics and as a modifier of bitumen. The inherent stability of the midblock suggests the use of G1650 E in applications that must withstand weathering and high processing temperatures.
Applications: Adhesives, Sealant and Coatings; Compounding and Personal Hygiene; Impact Modification; Medical; Packaging and Polymod; Personal Care; Bitumen Modification; and Roads and Roofing

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kraton-G1650-E-SEBS-Linear-Block-Copolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.910 g/cc	0.910 g/cc	ISO 2781
Volatiles	<= 0.50 %	<= 0.50 %	KM 04
Brookfield Viscosity	1000 - 1900 cP @Temperature 25.0 Â°C	1000 - 1900 cP @Temperature 77.0 Â°F	20% Toluene solution; KM 06
Ash	0.40 - 0.60 %	0.40 - 0.60 %	ES; ISO 247

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	34.47 MPa	4999 psi	Measured on films cast from a solution in toluene; ASTM D412
Elongation at Break	500 %	500 %	Measured on films cast from a solution in toluene; ASTM D412
300% Modulus	0.00560 GPa	0.812 ksi	Measured on films cast from a solution in toluene; ASTM D412

Descriptive Properties	Value	Comments
Content	Antioxidant	>0.03%, KM 08
	Polystyrene	27.7-30.7%, KM 03
	Total Extractables	<1.0%, KM 05

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