

Kraton® G1650 M (SEBS) Linear Triblock Copolymer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

Description: Kraton G1650 M is a clear, linear triblock copolymer based on styrene and ethylene/butylene with a polystyrene content of 30%. It is supplied from North America in the physical form identified: Kraton G1650 MU - supplied as a powder. Region: Asia Pacific, Europe, Japan, North America, and South America. Uses: Kraton G1650 M is used in compound formulations and as a modifier of thermoplastics. It may also find use in formulating adhesives, sealants, coatings and modified bitumens. Applications: Adhesives, Sealant and Coatings; Compounding and Personal Hygiene; Impact Modification; Medical; Packaging and Polymod; and Personal Care. Information provided by Kraton®

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kraton-G1650-M-SEBS-Linear-Triblock-Copolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.910 g/cc	0.910 g/cc	ASTM D2240
Bulk Density	0.224 g/cc	0.00809 lb/in ³	
Volatiles	<= 1.0 %	<= 1.0 %	KM 04
Viscosity	1100 - 1900 cP	1100 - 1900 cP	20% Toluene Solution at 25°C; BAM 922
Melt Flow	<= 1.0 g/10 min @Load 5.00 kg, Temperature 230 °C	<= 1.0 g/10 min @Load 11.0 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	72 @Time 10.0 sec	72 @Time 0.00278 hour	ASTM D2240
Tensile Strength	34.5 MPa	5000 psi	ASTM D412
Elongation at Break	500 %	500 %	ASTM D412
300% Modulus	0.00552 GPa	0.801 ksi	ASTM D412

Descriptive Properties	Value	Comments
Content	Non-staining phenolic antioxidant	0.03-0.1%, KM 08
	Polystyrene	28.8-31.6%, Measured on the polymer before hydrogenation, KM 03
	Total Extractables	<1.0%, KM 05
Styrene/Rubber Ratio	30/70	

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