

Kraton® G1642 H (SEBS) Linear Triblock Copolymer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

Description: Kraton G1642 H is a clear, linear triblock copolymer based on styrene and ethylene/butylene with a polystyrene content of 20%. It is supplied from North America in the physical form identified: Kraton G1642 HU - supplied as an undusted powder Kraton G1642 HS - supplied as a dusted powder Region: Asia Pacific, Europe, Japan, North America, and South America Uses: Kraton G1642 H 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: Compounding and Personal Hygiene; Adhesives, Sealant and Coatings; 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-G1642-H-SEBS-Linear-Triblock-Copolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.900 g/cc	0.900 g/cc	ASTM D792
Volatiles	<= 0.50 %	<= 0.50 %	KM 04
Viscosity	1050 - 1550 cP	1050 - 1550 cP	25% Toluene Solution at 25°C; BAM 922
Melt Flow	<= 1.0 g/10 min @Load 2.16 kg, Temperature 230 °C	<= 1.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	48 @Time 10.0 sec	48 @Time 0.00278 hour	Measured on compression molded slabs; ASTM D2240
Tensile Strength	2.07 MPa	300 psi	Measured on solution cast film from toluene; BAM 1245
Elongation at Break	1200 %	1200 %	Measured on solution cast film from toluene; BAM 1245

Descriptive Properties	Value	Comments
Content	Non-staining phenolic antioxidant	0.03-0.1%, KM 08
	Polystyrene	18.5-22.5%, Measured on polymer before hydrogenation, KM 03
	Total Extractables	<1.6%, KM 05

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