

Kraton® G1652 H (SEBS) Linear Triblock Copolymer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

Description: Kraton G1652 H 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 G1652 HU - supplied as an undusted powder
Region: Asia Pacific, Europe, Japan, North America, and South America
Uses: Kraton G1652 H is used as a modifier of bitumen and polymers. 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; Personal Care; and Roads and Roofing
Information provided by Kraton®

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kraton-G1652-H-SEBS-Linear-Triblock-Copolymer.php

| Physical Properties | Metric | English | Comments |
|---------------------|---|---|--|
| Specific Gravity | 0.910 g/cc | 0.910 g/cc | ASTM D4025 |
| Volatiles | <= 0.60 % | <= 0.60 % | KM 04 |
| Viscosity | 400 - 525 cP | 400 - 525 cP | 20% Toluene Solution at 25Â°C; BAM 922 |
| Melt Flow | 5.0 g/10 min @Load 5.00 kg, Temperature 230 Â°C | 5.0 g/10 min @Load 11.0 lb, Temperature 446 Â°F | |

| Mechanical Properties | Metric | English | Comments |
|-----------------------|----------------------|--------------------------|------------|
| Hardness, Shore A | 69 @Time 10.0 sec | 69 @Time 0.00278 hour | ASTM D2240 |
| Tensile Strength | 31.0 MPa | 4500 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 | Non-staining phenolic antioxidant | 0.03-0.1%, KM 08 |
| | Polystyrene | 29-30.8%, Measured on the polymer before hydrogenation, KM 03 |
| | Total Extractables | <1.0%, KM 05 |
| Styrene/Rubber Ratio | 30/70 | |

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