

Kraton® D1102 B (SBS) Liner Block Copolymer

Category : Polymer , Thermoplastic , Styrene-Butadiene , Styrene/Butadiene/Styrene (SBS)

Material Notes:

Description: Kraton D1102 B is a clear, linear triblock copolymer based on styrene and butadiene with a polystyrene content of 29.5%. It is supplied from South America in the physical form identified:D1102 BT - supplied as a dusted pelletRegion: Asia Pacific, Europe, Japan, North America and South AmericaUses: Kraton D1102 B is used as a modifier of bitumen or thermoplastics and in compound formulations. It may also find use as an ingredient in formulating adhesives, sealants and coatings.Applications: Bitumen Modification; Adhesives, Sealant and Coatings; Compounding and Personal Hygiene; Footwear; Impact Modification; Medical; Packaging and Polymod; Personal Care; and Roads and RoofingInformation provided by Kraton®

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kraton-D1102-B-SBS-Liner-Block-Copolymer.php

| Physical Properties | Metric | English | Comments |
|----------------------|--|--|---|
| Specific Gravity | 0.940 g/cc | 0.940 g/cc | ISO 2781 |
| Bulk Density | 0.400 g/cc | 0.0145 lb/in ³ | ASTM D 1895 method B |
| Volatiles | <= 0.30 % | <= 0.30 % | KM 04 |
| Brookfield Viscosity | 900 - 1500 cP | 900 - 1500 cP | Measured on 25% mass solution in toluene at 25°C; KM 06 |
| Melt Flow | 6.0 g/10 min @Load 5.00 kg, Temperature 200 °C | 6.0 g/10 min @Load 11.0 lb, Temperature 392 °F | ISO 1133 |
| Ash | 0.20 - 0.50 % | 0.20 - 0.50 % | BT; ISO 247 |

| Mechanical Properties | Metric | English | Comments |
|-----------------------|----------------------|--------------------------|---|
| Hardness, Shore A | 70 @Time 10.0 sec | 70 @Time 0.00278 hour | Measured on cast films cast from solution in toluene; ISO 868 |
| Tensile Strength | 33.0 MPa | 4790 psi | measured on films cast from a solution in toluene; ISO 37 |
| Elongation at Break | 880 % | 880 % | ISO 37 |
| 300% Modulus | 0.00290 GPa | 0.421 ksi | ASMD 412 |

| Descriptive Properties | Value | Comments |
|------------------------|--------------------|-------------------|
| Content | Antioxidant | >0.1%, KM 08 |
| | Polystyrene | 28.5-30.5%, KM 03 |
| | Total Extractables | <1.0%, KM 05 |

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|--|-------|----------|
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