

Kraton® D1102 K (SBS) Liner Block Copolymer

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

Material Notes:

Description: Kraton D1102 K is a clear, linear triblock copolymer based on styrene and butadiene, with a polystyrene content of 28%. It is supplied from North America in the physical form identified: Kraton D1102 KT - supplied as a dusted porous pellet Kraton D1102 KU - supplied as an undusted porous pellet Region: Europe, South America, Asia Pacific, Japan, and North America Uses: Kraton D1102 K is used as a modifier of bitumen or thermoplastics and in compound formulations. 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; Footwear; 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-D1102-K-SBS-Liner-Block-Copolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.940 g/cc	0.940 g/cc	ASTM D4025
Bulk Density	0.449 g/cc	0.0162 lb/in ³	
Volatiles	<= 0.70 %	<= 0.70 %	KM 04
Viscosity	1100 cP	1100 cP	25% Toluene Solution at 25°C; BAM 922
Melt Flow	14 g/10 min @Load 5.00 kg, Temperature 200 °C	14 g/10 min @Load 11.0 lb, Temperature 392 °F	
Ash	0.20 - 0.40 %	0.20 - 0.40 %	Talc; BAM 908

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	66 @Time 10.0 sec	66 @Time 0.00278 hour	Typical values on polymer compression molded at 300°F; ASTM D2240
Tensile Strength	31.7 MPa	4600 psi	measured on films cast from a solution in toluene; ASTM D412
Elongation at Break	880 %	880 %	Measured on films cast from a solution in toluene; ASTM D412
300% Modulus	0.00276 GPa	0.400 ksi	Measured on films cast from a solution in toluene; ISO 37

Chemical Properties	Metric	English	Comments
Diblock Content	17 %	17 %	

Descriptive Properties	Value	Comments
Content	Non-staining phenolic antioxidant	0.15-0.25%, KM 08
	Polystyrene	28-30%, KM 03
	Total Extractables	<1.0%, KM 05
Styrene/Rubber Ratio	28/72	

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