

Kraton® D1101 K (SBS) Liner Block Copolymer

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

Material Notes:

Kraton D1101 K is a clear, linear triblock copolymer based on styrene and butadiene with a polystyrene content of 31%. It is supplied from North America in the physical form identified: Kraton D1101 KT - supplied as a dusted porous pellet Kraton D1101 KU - supplied as an undusted porous pellet Kraton D1101 KIM - supplied as a dusted powder Region: Asia Pacific, Europe, Japan, North America and South America Uses: Kraton D1101 K 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. Note 1: The final dusting level is a combination of the talc from the original D1101 KT plus calcium carbonate added during the milling process. Applications: Bitumen Modification; Adhesives, Sealant and Coatings; 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-D1101-K-SBS-Liner-Block-Copolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.940 g/cc	0.940 g/cc	ASTM D402
Volatiles	<= 0.70 %	<= 0.70 %	KM 04
Viscosity	3900 cP	3900 cP	25% Toluene Solution at 25Â°C; BAM 922
Melt Flow	<= 1.0 g/10 min @Load 5.00 kg, Temperature 200 Â°C	<= 1.0 g/10 min @Load 11.0 lb, Temperature 392 Â°F	
Ash	0.15 - 0.35 %	0.15 - 0.35 %	KT, Talc; BAM 908
	4.0 - 6.0 %	4.0 - 6.0 %	KIM, See note 1; BAM 908

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	69 @Time 10.0 sec	69 @Time 0.00278 hour	Typical values on polymer compression molded at 350Â°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

Chemical Properties	Metric	English	Comments
Diblock Content	16 %	16 %	

Descriptive Properties	Value	Comments
Content	Non-staining phenolic antioxidant	0.15-0.4%, KM 08
	Polystyrene	39-33%, KM 03
	Total Extractables	<1.0%, KM 05
Styrene/Rubber Ratio	31/69	

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