KratonÂ® D1133 K (SBS) Linear Block Copolymer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

Description: Kraton D1133 K is a clear, linear triblock copolymer based on styrene and butadiene, with a polystyrene content of 36%. It is supplied from North America in the physical form identified: Kraton D1133 KT - supplied as a dusted porous pelletKraton D1133 KIM - supplied as a dusted powderRegion: Asia Pacific, Europe, Japan, North America, and South America Uses: Kraton D1133 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.Applications: Adhesives, Sealant and Coatings; Bitumen Modification; Compounding and Personal Hygiene; Footwear; Impact Modification; Medical; Packaging and Polymod; Personal Care; and Roads and Roofing

Order this product through the following link:
http://www.lookpolymers.com/polymer_Kraton-D1133-K-SBS-Linear-Block-Copolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.940 g/cc	0.940 g/cc	ASTM D4025
Volatiles	<= 1.0 %	<= 1.0 %	KM 04
Brookfield Viscosity	3500 - 4900 cP @Temperature 25.0 Â°C	3500 - 4900 cP @Temperature 77.0 Â°F	25% Toluene solution; 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 %	BAM 908
	4.0 - 6.0 %	4.0 - 6.0 %	BAM 908

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	74	74	10 seconds. Typical values on polymer compression molded at 150Â°C (300Â°F).; ASTM D2240
Tensile Strength	20.7 MPa	3000 psi	ASTM D412
Elongation at Break	800 %	800 %	ASTM D412
300% Modulus	0.00207 GPa	0.300 ksi	ASTM D412

Chemical Properties	Metric	English	Comments
Diblock Content	34 %	34 %	

Descriptive Properties	Value	Comments

Descriptive Properties	Value	Comments
	Polystyrene	34-36%, KM 03
	Total Extractables	<1.6%, KM 05
Styrene/Rubber Ratio	36/64	

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