

Kraton® D1111 K (SIS) Linear Triblock Copolymer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

Description: Kraton D1111 K is a clear, linear triblock copolymer based on styrene and isoprene with a polystyrene content of 22%. It is supplied from North America in the physical form identified: Kraton D1111 KT - supplied as a dusted porous pellet; Kraton D1111 KU - supplied as an undusted porous pellet. **Region:** South America, Europe, Asia Pacific, North America, and Japan. **Uses:** Kraton D1111 K is used as an ingredient in formulating adhesives, sealants and coatings. It may also find use as a modifier of bitumen or thermoplastics and in compound formulations. **Applications:** Adhesives, Sealant and Coatings; Compounding and Personal Hygiene; Impact Modification; Footwear; and Bitumen Modification. **Information provided by Kraton®**

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kraton-D1111-K-SIS-Linear-Triblock-Copolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.930 g/cc	0.930 g/cc	ASTM D4025
Volatiles	<= 0.70 %	<= 0.70 %	KM 04
Viscosity	750 - 1250 cP	750 - 1250 cP	25% Toluene Solution at 25Â°C; BAM 922
Melt Flow	2.0 g/10 min @Load 5.00 kg, Temperature 200 Â°C	2.0 g/10 min @Load 11.0 lb, Temperature 392 Â°F	
Ash	0.25 - 0.45 %	0.25 - 0.45 %	Talc; BAM 908

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	45 @Time 10.0 sec	45 @Time 0.00278 hour	Typical values on polymer compression molded at 300Â°F; ASTM D2240
Tensile Strength	20.0 MPa	2900 psi	Measured on films cast from a solution in toluene; ASTM D412
Elongation at Break	1200 %	1200 %	Measured on films cast from a solution in toluene; ASTM D412
300% Modulus	0.00138 GPa	0.200 ksi	Measured on films cast from a solution in toluene; ISO 37

Chemical Properties	Metric	English	Comments
Diblock Content	18 %	18 %	

Descriptive Properties	Value	Comments
Content	Antioxidant	0.08-0.3%, KM 08

Descriptive Properties	Value	Comments
	Styrene	103
	Total Extractables	<1.0%, KM 05
Styrene/Rubber Ratio	22/78	

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