

Kraton[®] D1163 P (SIS) Linear Triblock Copolymer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

Description: Kraton D1163 P is a clear, linear triblock copolymer based on styrene and isoprene, with a polystyrene content of 15%. It is supplied from North America in the physical form identified: Kraton D1163 PT - supplied as a dusted dense pellet; Kraton D1163 PTM - supplied as a dusted powder. Region: Asia Pacific, Europe, Japan, North America, and South America. Uses: Kraton D1163 P is used as an ingredient in formulating adhesives, sealants and coatings. It may also find use as a modifier of bitumen and polymers. Applications: Adhesives, Sealant and Coatings; Compounding and Personal Hygiene; Impact Modification; Footwear; and Bitumen Modification. Note 1) The final dusting level is a combination of the talc from the original D1163PT plus silica added during the milling process. Information provided by Kraton[®]

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kraton-D1163-P-SIS-Linear-Triblock-Copolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.920 g/cc	0.920 g/cc	ASTM D4025
Volatiles	<= 0.50 %	<= 0.50 %	KM 04
Viscosity	900 cP	900 cP	25% Toluene Solution at 25 [°] C; BAM 922
Melt Flow	23 g/10 min @Load 5.00 kg, Temperature 200 [°] C	23 g/10 min @Load 11.0 lb, Temperature 392 [°] F	
Ash	0.25 - 0.45 %	0.25 - 0.45 %	PT, Talc; BAM 908
	2.5 - 5.0 %	2.5 - 5.0 %	PTM, See note 1); ISO 247

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	25 @Time 10.0 sec	25 @Time 0.00278 hour	Typical values on polymer compression molded at 300 [°] F; ASTM D2240
Tensile Strength	10.34 MPa	1500 psi	Typical properties of film cast from toluene solution; ASTM D412
Elongation at Break	1400 %	1400 %	Typical properties of film cast from toluene solution; ASTM D412
300% Modulus	0.000430 GPa	0.0624 ksi	Typical properties of film cast from toluene solution; ASTM D412

Chemical Properties	Metric	English	Comments
Diblock Content	38 %	38 %	

Descriptive Properties	Value	Comments
Content	Antioxidant	0.08-0.3%, KM 08
	Polystyrene	13.3-16.3%, KM 03
	Total Extractables	<1.0%, KM 05
Styrene/Rubber Ratio	15/85	

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