

Kraton® D1161 P (SIS) Linear Triblock Copolymer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

Description: Kraton D1161 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 D1161 PT - supplied as a dusted dense pelletKraton D1161 PTM - supplied as a dusted powderRegion: Asia Pacific, Europe, Japan, North America, and South AmericaUses: Kraton D1161 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 ModificationNote 1) The final dusting level is a combination of the talc from the original D1161 PT plus silica added during the milling process.Information provided by Kraton®

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kraton-D1161-P-SIS-Linear-Triblock-Copolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.920 g/cc	0.920 g/cc	ASTM D4025
Volatiles	<= 0.30 %	<= 0.30 %	KM 04
Viscosity	800 - 1600 cP	800 - 1600 cP	25% Toluene Solution at 25Â°C; BAM 922
Melt Flow	8.5 - 18.5 g/10 min @Load 5.00 kg, Temperature 200 Â°C	8.5 - 18.5 g/10 min @Load 11.0 lb, Temperature 392 Â°F	ASTM D1238
Ash	0.20 - 0.40 %	0.20 - 0.40 %	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	32 @Time 10.0 sec	32 @Time 0.00278 hour	Typical values on polymer compression molded at 300Â°F; ASTM D2240
Tensile Strength	21.37 MPa	3099 psi	Measured on films cast from a toluene solution; ASTM D412
Elongation at Break	1300 %	1300 %	Measured on films cast from a solution in toluene; ASTM D412
300% Modulus	0.00890 GPa	1.29 ksi	Measured on films cast from a solution in toluene; ASTM D412

Chemical Properties	Metric	English	Comments
Diblock Content	19 %	19 %	

Descriptive Properties	Value	Comments
Content	Antioxidant	0.08-0.3%, KM 08
	Polystyrene	14-17%, KM 03
	Total Extractables	<1.0%, KM 05
Styrene/Rubber Ratio	15/85	

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