

## Kraton® D1161 K (SIS) Linear Triblock Copolymer

Category : Polymer , Thermoplastic , Elastomer, TPE

### Material Notes:

Description: Kraton D1161 K 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 KT - supplied as a dusted porous pelletKraton D1161 KU - supplied as an undusted porous pelletRegion: Asia Pacific, Europe, Japan, North America, and South AmericaUses: Kraton D1161 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 ModificationInformation provided by Kraton®

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Kraton-D1161-K-SIS-Linear-Triblock-Copolymer.php](http://www.lookpolymers.com/polymer_Kraton-D1161-K-SIS-Linear-Triblock-Copolymer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.920 g/cc	0.920 g/cc	ASTM D4025
Volatiles	<= 0.70 %	<= 0.70 %	KM 04
Viscosity	1200 cP	1200 cP	25% Toluene Solution at 25Å°C; BAM 922
Melt Flow	12 g/10 min @Load 5.00 kg, Temperature 200 Å°C	12 g/10 min @Load 11.0 lb, Temperature 392 Å°F	
Ash	0.25 - 0.45 %	0.25 - 0.45 %	Talc dust specification is only applicable to the dusted version which is D1161 KT; BAM 908

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 300Å°F; ASTM D2240
Tensile Strength	21.37 MPa	3099 psi	Typical properties of film cast from toluene solution; ASTM D412
Elongation at Break	1300 %	1300 %	Typical properties of film cast from toluene solution; ASTM D412
300% Modulus	0.000689 GPa	0.0999 ksi	Typical properties of film cast from toluene solution; ASTM D412

Chemical Properties	Metric	English	Comments
Diblock Content	19 %	19 %	

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

## Contact Songhan Plastic Technology Co.,Ltd.

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