

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

Category : Polymer , Thermoplastic , Elastomer, TPE

### Material Notes:

**Description:** Kraton D1161 E is a clear, linear triblock copolymer based on styrene and isoprene with a polystyrene content of 15%. It is supplied from Europe in the physical form identified: D1161 ES - supplied as porous pellets dusted with silica D1161 EU - supplied as undusted porous pellets D1161 ESM - supplied as powder dusted with amorphous silica  
**Region:** South America, Europe, Asia Pacific, North America, and Japan  
**Uses:** Kraton D1161 E 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  
 Information provided by Kraton®

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Specific Gravity	0.920 g/cc	0.920 g/cc	ISO 2781
Bulk Density	0.350 g/cc	0.0126 lb/in <sup>3</sup>	ASTM D1895 method B
Volatiles	<= 0.30 %	<= 0.30 %	KM 04
Molecular Weight	207000 - 237000 g/mol	207000 - 237000 g/mol	KM 01
Melt Flow	9.0 g/10 min @Load 5.00 kg, Temperature 200 °C	9.0 g/10 min @Load 11.0 lb, Temperature 392 °F	ISO 1133
Ash	<= 0.20 %	<= 0.20 %	EU; ISO 247
	0.10 - 0.40 %	0.10 - 0.40 %	ESM; ISO 247
	0.10 - 0.40 %	0.10 - 0.40 %	ET; ISO 247
	2.5 - 5.0 %	2.5 - 5.0 %	ESM; ISO 247

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	30 @Time 30.0 sec	30 @Time 0.00833 hour	Measured on compression molded slabs; ISO 868
Tensile Strength	28.0 MPa	4060 psi	Measured on films cast from a toluene solution; ISO 37
Elongation at Break	1300 %	1300 %	Measured on films cast from a solution in toluene; ISO 37
300% Modulus	0.000900 GPa	0.131 ksi	Measured on films cast from a solution in toluene; ISO 37

Descriptive Properties	Value	Comments
Content	Antioxidant	>0.06%, primary phenolic antioxidant, KM 08
	Polystyrene	13.5-16.5%, KM 03
	Total Extractables	<1.0%, KM 05
Coupling Efficiency	78-84%	KM 01

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China