

## Kraton® D1117 P (SIS) Linear Block Copolymer

Category : Polymer , Thermoplastic , Elastomer, TPE

### Material Notes:

Description: Kraton D1117 P is a clear, linear triblock copolymer based on styrene and isoprene with a polystyrene content of 17%. It is supplied from North America in the physical form identified: Kraton D1117 PT - supplied as a dusted dense pellet. Region: Asia Pacific, Europe, Japan, North America, and South America. Uses: Kraton D1117 P 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

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Kraton-D1117-P-SIS-Linear-Block-Copolymer.php](http://www.lookpolymers.com/polymer_Kraton-D1117-P-SIS-Linear-Block-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
Brookfield Viscosity	500 cP @Temperature 25.0 Â°C	500 cP @Temperature 77.0 Â°F	25% Toluene solution; BAM 922
Melt Flow	29 g/10 min @Load 5.00 kg, Temperature 200 Â°C	29 g/10 min @Load 10.8 lb, Temperature 392 Â°F	
Ash	0.30 - 0.40 %	0.30 - 0.40 %	KM 05

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	33	33	10 seconds. Typical values on polymer compression molded at 150Â°C (300Â°F).; ASTM D2240
Tensile Strength, Ultimate	8.27 MPa	1200 psi	Typical properties based on film cast from toluene solution.; ASTM D412
Elongation at Break	1300 %	1300 %	Typical properties based on film cast from toluene solution.; ASTM D412
300% Modulus	0.000414 GPa	0.0600 ksi	Typical properties based on film cast from toluene solution.; ASTM D412

Chemical Properties	Metric	English	Comments
Diblock Content	33 %	33 %	

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

Descriptive Properties	Value	Comments
	Styrene	1.0%, KM 03
	Total Extractables	<1.0%, KM 05
Styrene/Rubber Ratio	17/83	

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