

Kraton® D1114 P (SIS) Linear Triblock Copolymer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

Description: Kraton D1114 P is a clear, linear triblock copolymer based on styrene and isoprene with a polystyrene content of 19%. It is supplied from North America in the physical form identified: Kraton D1114 PT - supplied as a dusted dense pellet Kraton D1114 PSM - supplied as a powder dusted with silica Region: South America, Europe, Asia Pacific, North America, and Japan Uses: Kraton D1114 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 Note 1) The final dusting levels a combination of the talc from the original D1114 PT and silica added during the milling process. Information provided by Kraton®

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kraton-D1114-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	600 - 1000 cP	600 - 1000 cP	25% Toluene Solution at 25°C; BAM 922
Melt Flow	7.0 - 13 g/10 min @Load 5.00 kg, Temperature 200 °C	7.0 - 13 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM D1238
Ash	0.20 - 0.40 %	0.20 - 0.40 %	Talc, See note 1); BAM 908
	2.5 - 5.0 %	2.5 - 5.0 %	PSM; ISO 247

Mechanical Properties	Metric	English	Comments
Tensile Strength	31.7 MPa	4600 psi	Typical properties on film cast from toluene solution; ASTM D412
Elongation at Break	1300 %	1300 %	Typical properties of film cast from toluene solution; ASTM D412
300% Modulus	0.00186 GPa	0.270 ksi	Typical properties of film cast form toluene solution; ASTM D412

Chemical Properties	Metric	English	Comments
Diblock Content	<= 1.0 %	<= 1.0 %	

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

Descriptive Properties	Polystyrene Value	75.0-79.5% KM 03 Comments
	Total Extractables	<1.0%, KM 05
Styrene/Rubber Ratio	19/81	

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