

Kraton® D1124 P (SIS) Branched Copolymer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

Description: Kraton D1124 P is a clear, branched copolymer based on styrene and isoprene with a polystyrene content of 30%. It is supplied from North America in the physical form identified: Kraton D1124 PT - supplied as a dusted dense pelletRegion: South America, Europe, Asia Pacific, North America, and Japan Uses: Kraton D1124 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 ModificationInformation provided by Kraton®

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kraton-D1124-P-SIS-Branched-Copolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.940 g/cc	0.940 g/cc	ASTM D4025
Volatiles	<= 0.50 %	<= 0.50 %	KM 04
Viscosity	280 - 400 cP	280 - 400 cP	25% Toluene Solution at 25Å°C; BAM 922
Melt Flow	4.0 g/10 min @Load 5.00 kg, Temperature 200 Å°C	4.0 g/10 min @Load 11.0 lb, Temperature 392 Å°F	
Ash	0.15 - 0.35 %	0.15 - 0.35 %	Talc; BAM 908

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	54 @Time 10.0 sec	54 @Time 0.00278 hour	Typical values on polymer compression molded at 300Å°F; ASTM D2240
Tensile Strength	14.5 MPa	2100 psi	Measured on films cast from a toluene solution; ASTM D412
Elongation at Break	1100 %	1100 %	Measured on films cast from a solution in toluene; ASTM D412
300% Modulus	0.00296 GPa	0.429 ksi	Measured on films cast from a solution in toluene; ASTM D412

Chemical Properties	Metric	English	Comments
Diblock Content	29 %	29 %	

Descriptive Properties	Value	Comments
Content	Antioxidant	0.08-0.3%, See Note 1), KM 08

Descriptive Properties	Value	Comments
	Styrene	KM 03
	Total Extractables	<1.2%, KM 05
Styrene/Rubber Ratio	30/70	

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