

Kraton® D1124 K (SIS) Radial Triblock Copolymer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

Description: Kraton D1124 K is a clear, radial triblock 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 K- supplied as a porous pellet. Region: South America, Europe, Asia Pacific, North America, and Japan Uses: Kraton D1124 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 Modification Note 1) Primary antioxidant is a non-staining, phenolic antioxidant. The antioxidant package also contains a non-TNPP secondary antioxidant at a target level of 0.2% Information provided by Kraton®

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kraton-D1124-K-SIS-Radial-Triblock-Copolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.940 g/cc	0.940 g/cc	ASTM D4025
Volatiles	<= 0.70 %	<= 0.70 %	KM 04
Viscosity	340 cP	340 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	0.20 - 0.50 %	0.20 - 0.50 %	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	Typical properties on film cast from toluene solution; ASTM D412
Elongation at Break	1100 %	1100 %	Typical properties of film cast from toluene solution; ASTM D412
300% Modulus	0.00296 GPa	0.429 ksi	Typical properties on film cast from toluene solution; ASTM D412

Chemical Properties	Metric	English	Comments
Diblock Content	30 %	30 %	

Descriptive Properties	Value	Comments
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Content Descriptive Properties	Antioxidant Value	0.08-0.21%, See Note 1), KM 08 Comments
	Polystyrene	28-32%, KM 03
	Total Extractables	<1.2%, KM 05
Styrene/Rubber Ratio	30/70	

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