

Kraton® D1116 K (SBS) Radial Triblock Copolymer

Category : Polymer , Thermoplastic , Styrene-Butadiene , Styrene/Butadiene/Styrene (SBS)

Material Notes:

Description: Kraton D1116 K is a clear, radial triblock copolymer based on styrene and butadiene, with a polystyrene content of 23%. It is supplied from North America in the physical form identified: Kraton D1116 KT - supplied as a dusted porous pelletKraton D1116 KU - supplied as an undusted porous pelletKraton D1116 KIM - supplied as a dusted powderRegion: Asia Pacific, Europe, Japan, North America, and South America Uses: Kraton D1116 K is used as a modifier of bitumen or thermoplastics and in compound formulations. It is also suitable as an ingredient in formulating compounds for footwear applications and may be used in formulating adhesives, sealants and coatings.Applications: Adhesives, Sealant and Coatings; Bitumen Modification; Compounding and Personal Hygiene; Footwear; Impact Modification; Medical; Packaging and Polymod; Personal Care; and Roads and RoofingNote 1) The final dusting level is a combination of the talc from the original D1116 KT plus PGA-SD Alumina added during the milling processInformation provided by Kraton®

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kraton-D1116-K-SBS-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	2000 - 3000 cP	2000 - 3000 cP	20% Toluene Solution at 25Â°C; BAM 922
Melt Flow	<= 1.0 g/10 min @Load 5.00 kg, Temperature 200 Â°C	<= 1.0 g/10 min @Load 11.0 lb, Temperature 392 Â°F	
Ash	0.15 - 0.35 %	0.15 - 0.35 %	KT, Talc; BAM 908
	3.0 - 5.0 %	3.0 - 5.0 %	TIM, See Note 1); BAM 908

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	63 @Time 10.0 sec	63 @Time 0.00278 hour	Typical values on polymer compression molded at 350Â°F; ASTM D2240
Tensile Strength	31.7 MPa	4600 psi	Typical properties of film cast from toluene solution; ASTM D412
Elongation at Break	900 %	900 %	Typical properties of film cast from toluene solution; ASTM D412
300% Modulus	0.00241 GPa	0.350 ksi	Typical properties of film cast from toluene solution; ASTM D412

Chemical Properties	Metric	English	Comments
Diblock Content	16 %	16 %	

Descriptive Properties	Value	Comments
Content	Non-staining phenolic antioxidant	0.15-0.4%, KM 08
	Polystyrene	21.1-24.4%, KM 03
	Total Extractables	<1.0%, KM 05
Styrene/Rubber Ratio	23/77	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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