KratonÂ® D4158 K (O/E SBS) Radial Copolymer

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

Material Notes:

Description: Kraton D4158 K is an oiled, radial copolymer based on styrene and butadiene with a polystyrene content of 31%. It is supplied from North America in the physical form: Kraton D4158 KT - supplied as a dusted porous pelletKraton D4158 KU - supplied as an undusted porous pelletRegion: North America, Europe, Asia Pacific, Japan, and South America Uses: Kraton D4158 K is used as a modifier of bitumen or thermoplastics and in compound formulations. It may also find use as an ingredient in formulating adhesives, sealants and coatingsApplications: Adhesives, Sealant and Coatings; Bitumen Modification; Compounding and Personal Hygiene; Footwear; Impact Modification; and Roads and RoofingInformation provided by KratonÂ®

Order this product through the following link:
http://www.lookpolymers.com/polymer_Kraton-D4158-K-OE-SBS-Radial-Copolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.920 g/cc	0.920 g/cc	ASTM D4025
Volatiles	<= 1.0 %	<= 1.0 %	KM 04
Viscosity	1090 - 2050 cP	1090 - 2050 cP	25% Toluene Solution at 25Â°C; BAM 922
Melt Flow	33 g/10 min @Load 5.00 kg, Temperature 200 Â°C	33 g/10 min @Load 11.0 lb, Temperature 392 Â°F	
Ash	0.25 - 0.45 %	0.25 - 0.45 %	Talc; BAM 908

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	41	41	ASTM D2240
Tensile Strength	8.96 MPa	1300 psi	Typical values on polymer compression molded at 350Â°F; ASTM D412
Elongation at Break	1110 %	1110 %	Typical values on polymer compression molded at 350Â°F; ASTM D412
300% Modulus	0.00158 GPa	0.229 ksi	Typical values on polymer compression molded at 350Â°F; ISO 37

Chemical Properties	Metric	English	Comments
Diblock Content	16 %	16 %	

Descriptive Properties	Value	Comments
Content	Non-staining phenolic antioxidant	0.15-0.35%, KM 08

Descriptive Properties	Value	Comments
	Oil	32.2-34.1%, KM 05
	Polystyrene	29.2-32.2%, KM 03
Styrene/Rubber Ratio	31/69	

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