

Kraton® D4150 K (O/E SBS) Linear Triblock Copolymer

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

Material Notes:

Description: Kraton D4150 K is a linear triblock copolymer based on styrene and butadiene with a polystyrene content of 31%. It is supplied from North America in the physical form identified: Kraton D4150 KT - supplied as a dusted porous pellet; Kraton D4150 KU - supplied as an undusted porous pellet. **Region:** North America, Europe, Asia Pacific, Japan, and South America. **Uses:** Kraton D4150 K is used as a modifier of bitumen and polymers. It is also suitable as an ingredient in formulating compounds for footwear applications, molded and extruded goods 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; and Roads and Roofing. Information provided by Kraton®

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kraton-D4150-K-OE-SBS-Linear-Triblock-Copolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.920 g/cc	0.920 g/cc	ASTM D4025
Volatiles	<= 0.70 %	<= 0.70 %	KM 04
Viscosity	850 cP	850 cP	25% Toluene Solution at 25°C; BAM 922
Melt Flow	9.5 g/10 min @Load 5.00 kg, Temperature 200 °C	9.5 g/10 min @Load 11.0 lb, Temperature 392 °F	
Ash	0.25 - 0.45 %	0.25 - 0.45 %	Talc specification for D4150 KT; BAM 908

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	45 @Time 10.0 sec	45 @Time 0.00278 hour	Typical values on polymer compression molded at 300°F; ASTM D2240
Tensile Strength	19.3 MPa	2800 psi	Measured on films cast from a solution in toluene; ASTM D412
Elongation at Break	1400 %	1400 %	Measured on films cast from a solution in toluene; ASTM D412
300% Modulus	0.001103 GPa	0.1600 ksi	Measured on films cast from a solution in toluene; ASTM D412

Chemical Properties	Metric	English	Comments
Diblock Content	17 %	17 %	

Descriptive Properties	Value	Comments
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Descriptive Properties	Value	Comments
	Oil	32.3-34.3%, KM 05
	Polystyrene	29-30%, KM 03
Styrene/Rubber Ratio	31/69	

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