

Kraton® D4433 P (O/E SIS) Linear Triblock Copolymer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

Description: Kraton D4433 P is an oiled, linear triblock copolymer based on styrene and isoprene with a polystyrene content of 22%. It is supplied from North America in the physical form identified: Kraton D4433 PT - supplied as a dusted dense pellet Region: Asia Pacific, Europe, Japan, North America, and South America
Uses: Kraton D4433 P is used as an ingredient in formulating adhesives, sealants and coatings. It may also find use as a modifier of bitumen and polymers.
Applications: Adhesives, Sealant and Coatings and Compounding and Personal Hygiene
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-D4433-P-OE-SIS-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	380 cP	380 cP	25% Toluene Solution at 25Å°C; BAM 922
Melt Flow	25 g/10 min @Load 5.00 kg, Temperature 200 Å°C	25 g/10 min @Load 11.0 lb, Temperature 392 Å°F	
Ash	0.30 - 0.40 %	0.30 - 0.40 %	Talc; BAM 908

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	29 @Time 10.0 sec	29 @Time 0.00278 hour	Typical values on polymer compression molded at 300Å°F; ASTM D2240
Tensile Strength	6.21 MPa	901 psi	Measured on films cast from a solution in toluene; ASTM D412
Elongation at Break	1450 %	1450 %	Measured on films cast from a solution in toluene; ASTM D412
300% Modulus	0.00103 GPa	0.149 ksi	Measured on films cast from a solution in toluene; ASTM D412

Chemical Properties	Metric	English	Comments
Diblock Content	20 %	20 %	

Descriptive Properties	Value	Comments
Content	Antioxidant	0.08-0.2%, See note 1), KM 08

Descriptive Properties	Value	Comments <small>KM 05</small>
	Polystyrene	20-24%, KM 03
Styrene/Rubber Ratio	22/78	

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