

Kraton® D4141 (SBS) Linear Block Copolymer

Category : Polymer , Thermoplastic , Elastomer , TPE

Material Notes:

(SBS) styrene-butadiene-styrene block polymer. KRATON® Polymers require no premastication or vulcanization. They can be blended with thermoplastic polymers and significantly improve the impact qualities of the material, both at room and low temperature. This KRATON polymer meets FDA regulations as articles or as ingredients in articles intended for food contact. FDA clearances vary from one grade to another. For specific clearances, letters of certification will be provided on request. Applications: modified asphalts, thermoplastic polymer modification, adhesives, sealants, coatings, and general elastomer compounding. Information provided by the manufacturer, Kraton® Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kraton-D4141-SBS-Linear-Block-Copolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.930 g/cc	0.930 g/cc	
Brookfield Viscosity	1000 cP @Temperature 25.0 °C	1000 cP @Temperature 77.0 °F	Toluene solution. Neat polymer concentration, 25%w.
Melt Flow	11 g/10 min	11 g/10 min	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	50	50	10 seconds. Typical values on polymer compression molded at 150°C (300°F).
Tensile Strength, Ultimate	18.62 MPa	2701 psi	Tensile tester jaw separation 10 in/min (25.4 cm/min). Typical properties based on film cast from toluene solution.; ASTM D412
Elongation at Break	1300 %	1300 %	Tensile tester jaw separation 10 in/min (25.4 cm/min); ASTM D412
300% Modulus	0.00172 GPa	0.249 ksi	

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	-80.0 °C	-112 °F	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00e+14 - 1.00e+16 ohm-cm	1.00e+14 - 1.00e+16 ohm-cm	
Dielectric Strength	11.81 - 39.37 kV/mm	300.0 - 1000 kV/in	

Processing Properties	Metric	English	Comments
Processing Temperature	150 - 200 Â°C	302 - 392 Â°F	

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