



KRATON® G-1657

Kraton Polymers LLC - Styrene Ethylene Butylene Styrene Block Copolymer

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General Information

Product Description

KRATON® G1657 is a clear, linear triblock copolymer based on styrene and ethylene/butylene, with a polystyrene content of 13%. KRATON G1657 is used as a formulating ingredient in adhesives, sealants, coatings, and modified asphalts. It can also be used as a major formulating ingredient in elastomeric compounds or as an impact modifier in various plastics and polyolefins.

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• North America	
Additive	• Antioxidant	• Impact Modifier	
Features	• Antioxidant	• Copolymer	• Impact Modified
Uses	• Adhesives • Asphalt Modification	• Coating Applications • Sealants	
Appearance	• Clear/Transparent		
Forms	• Pellets		
Processing Method	• Cast Film	• Compression Molding	

ASTM and ISO Properties ¹

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Specific Gravity	0.890	0.888	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/5.0 kg)	22 g/10 min	22 g/10 min	ASTM D1238
Elastomers	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress at 300%	350 psi	2.41 MPa	ASTM D412
Tensile Strength at Yield	3400 psi	23.4 MPa	ASTM D412
Elongation at Yield	750 %	750 %	ASTM D412
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness (Shore A)	47	47	ASTM D2240

Additional Properties

Solution Viscosity, BAM 922: 1200 to 1800cps
 Antioxidant Content, BAM 929: 0.03 to 0.1%w
 Styrene/Rubber ratio, No standard: 13/78%
 Diblock Content, No standard: 30%
 Polystyrene Content, BAM 919: 12.3 to 14.3%w
 Volatile Matter, BAM 907: 1%w
 Total Extractables, BAM 905: 1.5%w
 Dust Content, BAM 908: 0.02 to 0.12%w

Notes

¹ Typical properties: these are not to be construed as specifications.