



KRATON® G2705 GU-N

Kraton Polymers LLC - Styrene Ethylene Butylene Styrene Block Copolymer

Friday, December 18, 2015

General Information

Product Description

Kraton G2705 GU-N is an easy processing material designed for applications where FDA regulations are required. The material exhibits high resilience, low compression set, and good puncture resealing characteristics. It is also steam sterilizable. It is supplied from North America in the physical form identified below.

- G2705 GU-N - supplied as a transparent pellet.

General

Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Good Processability • Low Compression Set	• Puncture Resistant • Resilient	• Steam Sterilizable
Uses	• Adhesives • Asphalt Modification	• Coating Applications • Footwear	• Plastics Modification • Sealants
Agency Ratings	• FDA Unspecified Rating		
Appearance	• Clear/Transparent		
Forms	• Pellets		

ASTM & ISO Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	0.875 to 0.905	0.875 to 0.905	Internal Method
Elastomers	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Stress ^{2, 3}			ASTM D412
Across Flow : 100% Strain	235 psi	1.62 MPa	
Flow : 100% Strain	280 psi	1.93 MPa	
Across Flow : 300% Strain	365 psi	2.52 MPa	
Flow : 300% Strain	420 psi	2.90 MPa	
Tensile Strength ²			ASTM D412
Across Flow : Break ⁴	> 1650 psi	> 11.4 MPa	
Flow : Break ³	840 psi	5.79 MPa	
Tensile Elongation ²			ASTM D412
Across Flow : Break ⁴	> 800 %	> 800 %	
Flow : Break ³	650 %	650 %	
Tear Strength ^{2, 3}			ASTM D624
Across Flow	170 lbf/in	29.8 kN/m	
Flow	155 lbf/in	27.1 kN/m	
Compression Set (73°F (23°C), 22 hr)	19 %	19 %	ASTM D395B
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness			Internal Method
Shore A, 401°F (205°C), Injection Molded	52 to 62	52 to 62	

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Notes

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

² Die C

³ Injection Molded

⁴ Injection Molded, Specimen did not break