

KRATON® G2705 GU-N

Styrene Ethylene Butylene Styrene Block Copolymer

Kraton Polymers LLC

Message:

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 Information			
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		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.873 to 0.903	g/cm ³	Internal Method
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 205°C, Injection Molded)	52 to 62		Internal Method
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
Across Flow : 100% Strain	1.62	MPa	
Flow : 100% Strain	1.93	MPa	
Across Flow : 300% Strain	2.52	MPa	
Flow : 300% Strain	2.90	MPa	
Tensile Strength ¹			ASTM D412
Across Flow : Break ²	> 11.4	MPa	
Flow : Break ³	5.79	MPa	
Tensile Elongation ⁴			ASTM D412

Across Flow : Break ⁵	> 800	%	
Flow : Break ⁶	650	%	
Tear Strength			ASTM D624
Across Flow	29.8	kN/m	
Flow	27.1	kN/m	
Compression Set (23°C, 22 hr)	19	%	ASTM D395B

NOTE

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|----|--|
| 1. | Die C |
| 2. | Injection Molded, Specimen did not break |
| 3. | Injection Molded |
| 4. | Die C |
| 5. | Injection Molded, Specimen did not break |
| 6. | Injection Molded |

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