



Geon™ Vinyl Flexible 86155

Flexible Polyvinyl Chloride

Key Characteristics

Product Description

86155 is a flexible (90A durometer) vinyl compound formulated from FDA-santioned raw materials. This compound has received NSF Standard 61 only for sheets applications.

General

Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Food Contact Acceptable		
Agency Ratings	• FDA Food Contact, Unspecified Rating	• NSF 61	
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.24	1.24	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (100% Strain)	1550 psi	10.7 MPa	ASTM D638
Tensile Strength ² (Break)	2650 psi	18.3 MPa	ASTM D638
Tensile Elongation ² (Break)	400 %	400 %	ASTM D638
Elastomers	Typical Value (English)	Typical Value (SI)	Test Method
Tear Strength ³	435 lbf/in	76.2 kN/m	ASTM D624
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness			ASTM D2240
Shore A	90	90	
Shore A, 15 sec	84	84	
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Brittleness Temperature	-16.6 °F	-27.0 °C	ASTM D746

Additional Information

NOTE: All ingredients used in the formulation of this compound are listed in the United States FDA Code of Federal Regulations, Title 21. The only restriction is that the plasticizer is "For foods of high water content only". This material is also listed under NSF Std. 61. This listing covers many uses and restrictions may apply depending on the application. It is the customer's responsibility to ensure that the compound is suitable for its intended application. Please contact us to review the suitability of specific products in specific applications.

Notes

¹ Typical values are not to be construed as specifications.

² Type IV, 20 in/min (510 mm/min)

³ Die C, 20 in/min (510 mm/min)

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