



Geon™ Vinyl Flexible XV3863

Flexible Polyvinyl Chloride

Key Characteristics

Product Description

XV3863 is a flexible (95A durometer) vinyl compound formulated from FDA-santioned raw materials. XV3863 Clear 1859 has been tested to USP Class VI.

General

Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Uses	• Medical Devices	• Medical/Healthcare Applications	
Agency Ratings	• FDA Unspecified Rating	• USP XXI, Class VI	
Appearance	• Clear/Transparent		
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.28	1.28	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (100% Strain)	2700 psi	18.6 MPa	ASTM D638
Tensile Strength ² (Break)	3200 psi	22.1 MPa	ASTM D638
Tensile Elongation ² (Break)	320 %	320 %	ASTM D638
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore A, 10 sec)	95	95	ASTM D2240

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 statement is only an overview of the FDA listings for this product. It is the customer's responsibility to ensure that the compound is suitable for its intended application.

Notes

¹ Typical values are not to be construed as specifications.

² Type IV, 20 in/min (510 mm/min)

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