



Geon™ Vinyl Flexible XV3645

Flexible Polyvinyl Chloride

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Food Contact Acceptable		
Uses	• Hose	• Tubing	
Agency Ratings	• FDA Food Contact, Unspecified Rating		
Appearance	• Clear/Transparent		
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.22	1.22	ASTM D792
Elastomers	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Stress (100% Strain)	1500 psi	10.3 MPa	ASTM D412
Tensile Strength (Break)	2500 psi	17.2 MPa	ASTM D412
Tensile Elongation (Break)	350 %	350 %	ASTM D412
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore A, 10 sec)	78	78	ASTM D2240
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Brittleness Temperature	-37.0 °F	-38.3 °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 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.

This compound complies with USP XXII, Supplement 4, Class 6 requirements when pigmented to either Clear 20 or Clear 1510.

Notes

¹ Typical values are not to be construed as specifications.