



Geon™ Vinyl Flexible XV3910

Flexible Polyvinyl Chloride

Key Characteristics

General	
Material Status	• Commercial: Active
Regional Availability	• Africa & Middle East • Europe • Asia Pacific • Latin America • North America
Features	• Non-Phthalate Plasticizer
Uses	• Medical Devices
Appearance	• Clear/Transparent
Forms	• Pellets

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.18	1.18	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (100% Strain)	750 psi	5.17 MPa	ASTM D638
Tensile Strength ² (Break)	2100 psi	14.5 MPa	ASTM D638
Tensile Elongation ² (Break)	370 %	370 %	ASTM D638
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore A, 10 sec)	65	65	ASTM D2240
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Brittleness Temperature	-69.0 °F	-56.1 °C	ASTM D746

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Processing (Melt) Temp	350 to 370 °F	177 to 188 °C
Extrusion	Typical Value (English)	Typical Value (SI)
Melt Temperature	330 to 350 °F	166 to 177 °C

Notes

¹ Typical values are not to be construed as specifications.

² Type IV, 20 in/min (510 mm/min)

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