



Geon™ Vinyl Flexible A5501

Flexible Polyvinyl Chloride

Key Characteristics

Product Description	
Specialty flexible molding applications.	
General	
Material Status	• Commercial: Active
Regional Availability	• Africa & Middle East • Europe • Asia Pacific • Latin America • North America
Features	• General Purpose • High Gloss
Uses	• General Purpose
Appearance	• Clear/Transparent
Forms	• Pellets
Processing Method	• Injection Molding

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.14	1.14	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (100% Strain)	398 psi	2.74 MPa	ASTM D638
Tensile Strength ² (Break)	960 psi	6.62 MPa	ASTM D638
Tensile Elongation ² (Break)	320 %	320 %	ASTM D638
Elastomers	Typical Value (English)	Typical Value (SI)	Test Method
Tear Strength ³	167 lbf/in	29.2 kN/m	ASTM D624
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore A, 15 sec)	43	43	ASTM D2240
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Brittleness Temperature	-51.7 °F	-46.5 °C	ASTM D746

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Processing (Melt) Temp	280 to 300 °F	138 to 149 °C
Extrusion	Typical Value (English)	Typical Value (SI)
Melt Temperature	270 to 290 °F	132 to 143 °C

Notes

¹ Typical values are not to be construed as specifications.

² 20 in/min (510 mm/min)

³ Die C, 20 in/min (510 mm/min)

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