



Geon™ Vinyl Flexible A55G0

Flexible Polyvinyl Chloride

Key Characteristics

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

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.13	1.13	ASTM D792
Molding Shrinkage - Flow	0.027 to 0.031 in/in	2.7 to 3.1 %	ASTM D955
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (100% Strain)	360 psi	2.48 MPa	ASTM D638
Tensile Strength ² (Break)	1100 psi	7.58 MPa	ASTM D638
Tensile Elongation ² (Break)	410 %	410 %	ASTM D638
Elastomers	Typical Value (English)	Typical Value (SI)	Test Method
Tear Strength ³	95.0 lbf/in	16.6 kN/m	ASTM D624
Compression Set (73°F (23°C), 22 hr)	30 %	30 %	ASTM D395
Clash-Berg Modulus (-58°F (-50°C))	45000 psi	310 MPa	ASTM D1043
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness			ASTM D2240
Shore A	55	55	
Shore A, 15 sec	48	48	
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Brittleness Temperature	-65.0 °F	-53.9 °C	ASTM D746

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Processing (Melt) Temp	370 to 390 °F	188 to 199 °C
Extrusion	Typical Value (English)	Typical Value (SI)
Melt Temperature	320 to 330 °F	160 to 166 °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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