



Geon™ Vinyl Flexible C70T0

Flexible Polyvinyl Chloride

Key Characteristics

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	• Seals	• Weatherstripping
Forms	• Pellets		
Processing Method	• Coextrusion	• Extrusion	

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.34	1.34	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (100% Strain)	593 psi	4.09 MPa	ASTM D638
Tensile Strength ² (Break)	1260 psi	8.69 MPa	ASTM D638
Tensile Elongation ² (Break)	360 %	360 %	ASTM D638
Elastomers	Typical Value (English)	Typical Value (SI)	Test Method
Tear Strength ³	224 lbf/in	39.2 kN/m	ASTM D624
Compression Set (73°F (23°C), 22 hr)	21 %	21 %	ASTM D395
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness			ASTM D2240
Shore A	70	70	
Shore A, 15 sec	66	66	
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Brittleness Temperature	-51.0 °F	-46.1 °C	ASTM D746

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Processing (Melt) Temp	380 to 390 °F	193 to 199 °C
Extrusion	Typical Value (English)	Typical Value (SI)
Melt Temperature	340 to 350 °F	171 to 177 °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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