



Geon™ Vinyl Flexible FC700

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		
Uses	• General Purpose		
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.40	1.40	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (Break)	1500 psi	10.3 MPa	ASTM D638
Tensile Elongation ² (Break)	370 %	370 %	ASTM D638
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness ³ (Shore A)	70	70	ASTM D2240
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Brittleness Temperature	-38.0 °F	-38.9 °C	ASTM D746

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Processing (Melt) Temp	340 to 350 °F	171 to 177 °C
Extrusion	Typical Value (English)	Typical Value (SI)
Melt Temperature	360 to 370 °F	182 to 188 °C

Notes

¹ Typical values are not to be construed as specifications.

² 20 in/min (510 mm/min)

³ Inst. Hardness +/- 5 units.