



Geon™ Vinyl Flexible FC800

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
Specific Gravity	1.38	1.38	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (Break)	1820 psi	12.5 MPa	ASTM D638
Tensile Elongation ² (Break)	340 %	340 %	ASTM D638
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness ³ (Shore A)	80	80	ASTM D2240
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Brittleness Temperature	-35.0 °F	-37.2 °C	ASTM D746

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Processing (Melt) Temp	375 to 385 °F	191 to 196 °C
Extrusion	Typical Value (English)	Typical Value (SI)
Melt Temperature	350 to 360 °F	177 to 182 °C

Notes

¹ Typical values are not to be construed as specifications.

² 20 in/min (510 mm/min)

³ Inst. Hardness +/- 5 units.

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