



Geon™ Vinyl Flexible F80E

Flexible Polyvinyl Chloride

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Additive	• Barium-Zinc Stabilizer		
Features	• General Purpose	• Good Melt Strength	• Low Hardness
Uses	• General Purpose	• Purging Compound	
Forms	• Pellets		
Processing Method	• Extrusion		

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.37	1.37	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (Break)	2300 psi	15.9 MPa	ASTM D638
Tensile Elongation ² (Break)	300 %	300 %	ASTM D638
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore A, 15 sec)	78	78	ASTM D2240
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Brittleness Temperature	-31.0 °F	-35.0 °C	ASTM D746

Processing Information

Extrusion	Typical Value (English)	Typical Value (SI)
Melt Temperature	280 to 300 °F	138 to 149 °C

Notes

¹ Typical values are not to be construed as specifications.

² Type IV, 20 in/min (510 mm/min)