



Geon™ Vinyl Flexible R339AE

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	• Good Thermal Stability	• High Flow
Uses	• Furniture • General Purpose	• Profiles • Stair Tread	
Forms	• Pellets		
Processing Method	• Extrusion	• Profile Extrusion	

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.36	1.36	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (Break)	3000 psi	20.7 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)	85	85	ASTM D2240
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Brittleness Temperature	1.00 °F	-17.2 °C	ASTM D746
UL Temperature Rating	140 °F	60 °C	
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Oxygen Index (0.125 in (3.18 mm))	26 %	26 %	ASTM D2863

Processing Information

Extrusion	Typical Value (English)	Typical Value (SI)
Melt Temperature	365 to 375 °F	185 to 191 °C

Notes

¹ Typical values are not to be construed as specifications.

² Type IV, 20 in/min (510 mm/min)