



# Geon™ Vinyl Flexible R242AE

## Flexible Polyvinyl Chloride

### Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Good Adhesion	• Low Gloss	
Uses	• Construction Applications • Furniture	• Hose • Profiles	• Tubing
Forms	• Pellets		
Processing Method	• Coextrusion • Extrusion	• Injection Molding • Profile Extrusion	

### Technical Properties <sup>1</sup>

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 <sup>2</sup> (Break)	2000 psi	13.8 MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	350 %	350 %	ASTM D638
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore A, 15 sec)	70	70	ASTM D2240
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Brittleness Temperature	-11.0 °F	-23.9 °C	ASTM D746
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Oxygen Index (0.125 in (3.18 mm))	23 %	23 %	ASTM D2863

### Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Processing (Melt) Temp	365 to 385 °F	185 to 196 °C
Extrusion	Typical Value (English)	Typical Value (SI)
Melt Temperature	340 to 355 °F	171 to 179 °C

### Notes

<sup>1</sup> Typical values are not to be construed as specifications.

<sup>2</sup> Type IV, 20 in/min (510 mm/min)