



# Geon™ Vinyl Flexible R246AE

## 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 • Medium Gloss		
Uses	• General Purpose • Hose • Profiles • Tubing		
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	• Profile Extrusion

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

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.37	1.37	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength <sup>2</sup> (Break)	1500 psi	10.3 MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	330 %	330 %	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	-40.0 °F	-40.0 °C	ASTM D746

### Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Processing (Melt) Temp	370 to 395 °F	188 to 202 °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)

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