



Geon™ Vinyl Flexible R351AE

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	• Low Temperature Resistant	• Medium Gloss
Uses	• Construction Applications • Flooring	• Furniture • General Purpose	• Profiles
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	• Profile Extrusion

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.35	1.35	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (100% Strain)	2300 psi	15.9 MPa	ASTM D638
Tensile Strength ² (Break)	2900 psi	20.0 MPa	ASTM D638
Tensile Elongation ² (Break)	280 %	280 %	ASTM D638
Elastomers	Typical Value (English)	Typical Value (SI)	Test Method
Tear Strength ³	575 lbf/in	101 kN/m	ASTM D624
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore A, 15 sec)	88	88	ASTM D2240
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Brittleness Temperature	-13.0 °F	-25.0 °C	ASTM D746

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Processing (Melt) Temp	380 to 400 °F	193 to 204 °C
Extrusion	Typical Value (English)	Typical Value (SI)
Melt Temperature	340 to 355 °F	171 to 179 °C

Notes

¹ Typical values are not to be construed as specifications.

² Type IV, 20 in/min (510 mm/min)

³ Die C, 20 in/min (510 mm/min)