



# Geon™ Vinyl Flexible XV3581G

## Flexible Polyvinyl Chloride

### Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Glow in the Dark		
Forms	• Pellets		
Processing Method	• Extrusion		

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

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.28	1.28	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength <sup>2</sup> (100% Strain)	2150 psi	14.8 MPa	ASTM D638
Tensile Strength <sup>2</sup> (Break)	3080 psi	21.2 MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	280 %	280 %	ASTM D638
Elastomers	Typical Value (English)	Typical Value (SI)	Test Method
Tear Strength <sup>3</sup>	575 lbf/in	101 kN/m	ASTM D624
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness			ASTM D2240
Shore A, 10 sec	90	90	
Shore A, 15 sec	88	88	
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Brittleness Temperature	5.00 °F	-15.0 °C	ASTM D746

### Processing Information

Extrusion	Typical Value (English)	Typical Value (SI)
Melt Temperature	370 to 380 °F	188 to 193 °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)

<sup>3</sup> Die C, 20 in/min (510 mm/min)