



# Geon™ Vinyl Wire & Cable WJJC346U

## Flexible Polyvinyl Chloride

### Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Flame Retardant	• Sunlight Resistant	
Uses	• Cable Jacketing	• Wire & Cable Applications	
RoHS Compliance	• RoHS Compliant		
Forms	• Pellets		
Processing Method	• Extrusion Coating		

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

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.45	1.45	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength <sup>2</sup> (Break)	3200 psi	22.1 MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	300 %	300 %	ASTM D638
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore D, 15 sec)	47	47	ASTM D2240
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Brittleness Temperature	-18.4 °F	-28.0 °C	ASTM D746
UL Temperature Rating	167 °F	75 °C	
Aging	Typical Value (English)	Typical Value (SI)	Test Method
Retention of Tensile Elongation <sup>3</sup> 212°F (100°C), 30.0 mil (762.0 µm)	85 %	85 %	ASTM D638
Retention of Tensile Strength <sup>3</sup> 212°F (100°C), 30.0 mil (762.0 µm)	95 %	95 %	ASTM D638
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Oxygen Index (0.125 in (3.18 mm))	31 %	31 %	ASTM D2863

#### Additional Information

NOTE: Typical Properties of Molded Slab (0.075"); Not to be Construed as Specifications.

Provisional Product Information - Physical and Mechanical properties based on initial production.

### Processing Information

Extrusion	Typical Value (English)	Typical Value (SI)
Melt Temperature	340 to 370 °F	171 to 188 °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> 240 hr, UL Standard

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