



# Geon™ Vinyl Wire & Cable WJAX208U

## Flexible Polyvinyl Chloride

### Key Characteristics

General	
Material Status	• Commercial: Active
Regional Availability	• Africa & Middle East • Europe • Asia Pacific • Latin America • North America
Features	• Sunlight Resistant (720 hours)
Uses	• Wire & Cable Applications • Wire Jacketing
Wire Types	• CATV
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> (Yield)	2500 psi	17.2 MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	250 %	250 %	ASTM D638
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore A, 15 sec)	87	87	ASTM D2240
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Brittleness Temperature	-27.4 °F	-33.0 °C	ASTM D746
UL Temperature Rating <sup>3</sup>	140 °F	60 °C	
Aging	Typical Value (English)	Typical Value (SI)	Test Method
Change in Tensile Strength			ASTM D471
720 hr <sup>4</sup>	95 %	95 %	
212°F (100°C), 168 hr <sup>3</sup>	110 %	110 %	
Change in Ultimate Elongation			ASTM D471
720 hr <sup>4</sup>	92 %	92 %	
212°F (100°C), 168 hr <sup>3</sup>	60 %	60 %	
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Oxygen Index (0.125 in (3.18 mm))	29 %	29 %	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	360 to 380 °F	182 to 193 °C

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**Notes**

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

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

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- <sup>3</sup> 35 mil sample thickness

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- <sup>4</sup> Xenon Weatherometer - 35 mil sample thickness

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