



Geon™ Vinyl Wire & Cable WJJC310L

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		
Uses	• Cable Jacketing	• Wire & Cable Applications	
RoHS Compliance	• RoHS Compliant		
Forms	• Pellets		
Processing Method	• Extrusion Coating		

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.50	1.50	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (Break)	2800 psi	19.3 MPa	ASTM D638
Tensile Elongation ² (Break)	290 %	290 %	ASTM D638
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore D, 15 sec)	50	50	ASTM D2240
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Brittleness Temperature	-0.400 °F	-18.0 °C	ASTM D746
UL Temperature Rating	167 °F	75 °C	
Aging	Typical Value (English)	Typical Value (SI)	
Retention of Tensile Elongation ³ 212°F (100°C), 35.0 mil (889.0 µm)	88 %	88 %	
Retention of Tensile Strength ³ 212°F (100°C), 35.0 mil (889.0 µm)	110 %	110 %	
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Oxygen Index (0.125 in (3.18 mm))	39 %	39 %	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	350 to 360 °F	177 to 182 °C

Notes

¹ Typical values are not to be construed as specifications.

² Type IV, 20 in/min (510 mm/min)

³ 240 hr, UL Standard

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CONTACT INFORMATION

Americas

United States - Avon Lake
+1 440 930 1000
United States - McHenry
+1 815 385 8500

Asia

China - Guangzhou
+86 20 8732 7260
China - Shenzhen
+86 755 2969 2888
China - Suzhou
+86 512 6823 24 38
China - Suzhou
+86 512 6265 2600
Hong Kong -
+852 2690 5332
Taiwan - Yonghe City,
+886 9396 99740, +886 2929 1849

Europe

Germany - Gaggenau
+49 7225 6802 0
Spain - Barbastro (Huesca)
+34 974 310 314



Beyond Polymers.

Better Business Solutions. SM

www.polyone.com

PolyOne Americas

33587 Walker Road
Avon Lake, Ohio 44012
United States
+1 440 930 1000
+1 866 POLYONE

PolyOne Asia

No. 88 Guoshoujing Road
Z.J Hi-tech Park, Pudong
Shanghai, 201203, China
+86 21 5080 1188

PolyOne Europe

6 Giällewee
+352 269 050 35

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