



Geon™ Vinyl Wire & Cable W3400L

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	• Flexible Cord Jacketing	• Wire & Cable Applications	
Agency Ratings	• UL 94 V-0		
RoHS Compliance	• RoHS Compliant		
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.39	1.39	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (Yield)	2200 psi	15.2 MPa	ASTM D638
Tensile Elongation ² (Break)	300 %	300 %	ASTM D638
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore A, 15 sec)	77	77	ASTM D2240
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Brittleness Temperature	-32.8 °F	-36.0 °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)	90 %	90 %	
Retention of Tensile Strength ³ 212°F (100°C), 35.0 mil (889.0 µm)	100 %	100 %	
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating			UL 94
0.0591 in (1.50 mm), BK	V-0	V-0	
0.0591 in (1.50 mm), WT	V-0	V-0	
0.0591 in (1.50 mm), YL	V-0	V-0	
0.0748 in (1.90 mm), ALL	V-0	V-0	
Oxygen Index (0.125 in (3.18 mm))	27 %	27 %	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 370 °F	182 to 188 °C

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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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