



Geon™ Vinyl Wire & Cable WA9001

Flexible Polyvinyl Chloride

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• General Purpose		
Uses	• General Purpose	• Wire & Cable Applications	
RoHS Compliance	• RoHS Compliant		
Appearance	• Clear/Transparent		
Forms	• Pellets		
Processing Method	• Extrusion Coating		

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.25	1.25	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (Yield)	3000 psi	20.7 MPa	ASTM D638
Tensile Elongation ² (Break)	380 %	380 %	ASTM D638
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness			ASTM D2240
Shore A	90	90	
Shore A, 15 sec	85	85	
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Brittleness Temperature	-29.0 °F	-33.9 °C	ASTM D746
UL Temperature Rating	140 °F	60 °C	
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Oxygen Index (0.125 in (3.18 mm))	23 %	23 %	ASTM D2863

Additional Information

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

Processing Information

Extrusion	Typical Value (English)	Typical Value (SI)
Melt Temperature	345 to 360 °F	174 to 182 °C

Notes

¹ Typical values are not to be construed as specifications.

² Type IV, 20 in/min (510 mm/min)

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