



Geon™ Vinyl Wire & Cable WJJP620

Flexible Polyvinyl Chloride

Key Characteristics

Product Description			
For use in plenum cable jackets.			
General			
Material Status	• Developmental		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Flame Retardant • Low Smoke Emission		
Uses	• Communication Cable Jacketing • Plenum Cable Jacketing	• Wire & Cable Applications • Wire Jacketing	
Wire Types	• CAT-5 • CL2P	• CL3P • CMP	• FPLP
RoHS Compliance	• RoHS Compliant		
Forms	• Pellets		
Processing Method	• Extrusion Coating		

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.62	1.62	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (Break)	2500 psi	17.2 MPa	ASTM D638
Tensile Elongation ² (Break)	180 %	180 %	ASTM D638
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore D, 15 sec)	54	54	ASTM D2240
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Brittleness Temperature	21.2 °F	-6.00 °C	ASTM D746
UL Temperature Rating	167 °F	75 °C	
Aging	Typical Value (English)	Typical Value (SI)	Test Method
Retention of Tensile Elongation ³ 212°F (100°C), 20.0 mil (508.0 µm)	93 %	93 %	ASTM D638
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Oxygen Index (0.0750 in (1.91 mm))	41 %	41 %	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 370 °F	177 to 188 °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, Oven Aging.

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