



Geon™ Vinyl Wire & Cable WJKC306

Flexible Polyvinyl Chloride

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Uses	• Fiber Optic Cable • Wire & Cable Applications		
RoHS Compliance	• RoHS Compliant		
Forms	• Pellets		

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.36	1.36	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (Break)	2900 psi	20.0 MPa	ASTM D638
Tensile Elongation ² (Break)	330 %	330 %	ASTM D638
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore A, 15 sec)	90	90	ASTM D2240
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Brittleness Temperature	-34.6 °F	-37.0 °C	ASTM D746
UL Temperature Rating	194 °F	90 °C	
Aging	Typical Value (English)	Typical Value (SI)	Test Method
Change in Tensile Strength in Air 250°F (121°C), 168 hr	1.0 %	1.0 %	ASTM D638
Change in Ultimate Elongation in Air 250°F (121°C), 168 hr	-2.0 %	-2.0 %	ASTM D638
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Oxygen Index (0.125 in (3.18 mm))	30 %	30 %	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)

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