

PolyOne Geon™ Vinyl Wire & Cable WJKC505L Polyvinyl Chloride, Flexible (PVC, Flexible)

Category : Polymer , Thermoplastic , Vinyl (PVC) , PVC, Wire and Cable Grade

Material Notes:

Typical Properties of Molded Slab (0.075); Not to be Construed as Specifications. Provisional Product Information - Physical and Mechanical properties based on initial production. Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Wire-Cable-WJKC505L-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.40 g/cc	1.40 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	81	81	15 sec; ASTM D2240
Tensile Strength, Yield	13.1 MPa	1900 psi	Type IV, 510 mm/min; ASTM D638
Elongation at Break	300 %	300 %	Type IV, 510 mm/min; ASTM D638

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-43.9 °C	-47.0 °F	ASTM D746
Oxygen Index	25 % @Thickness 1.91 mm	25 % @Thickness 0.0752 in	ASTM D2863

Processing Properties	Metric	English	Comments
Melt Temperature	160 - 170 °C	320 - 338 °F	

Descriptive Properties	Value	Comments
Agency Ratings	CSA LAG (Low Acid Gas)	
	CSA Unspecified Rating	
Features	Flame Retardant	
	Good UV Resistance	
Forms	Pellets	
Generic Material	PVC, Flexible	
Generic Name	Polyvinyl Chloride, Flexible (PVC, Flexible)	

Descriptive Properties	Value	Comments No. 0.3
Processing Method	Extrusion Coating	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Retention of Tensile Elongation	85%	121°C, 889.0 µm; 336 hr, UL Standard
Retention of Tensile Strength	110%	121°C, 889.0 µm; 336 hr, UL Standard
RoHS Compliance	RoHS Compliant	
Uses	Cable Jacketing	
	Wire & Cable Applications	

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