

PolyOne Geon™ Vinyl Wire & Cable WJKC304 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. Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Wire-Cable-WJKC304-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.36 g/cc	1.36 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	78	78	15 sec; ASTM D2240
Tensile Strength, Yield	17.2 MPa	2490 psi	Type IV, 510 mm/min; ASTM D638
Elongation at Break	340 %	340 %	Type IV, 510 mm/min; ASTM D638

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-42.0 °C	-43.6 °F	ASTM D746
Oxygen Index	26 % @Thickness 3.18 mm	26 % @Thickness 0.125 in	ASTM D2863

Processing Properties	Metric	English	Comments
Melt Temperature	154 - 166 °C	309 - 331 °F	

Descriptive Properties	Value	Comments
Forms	Pellets	
Generic Material	PVC, Flexible	
Generic Name	Polyvinyl Chloride, Flexible (PVC, Flexible)	
Processing Method	Extrusion Coating	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	

Descriptive Properties	Value	Comments
Retention of Tensile Elongation	83%	100°C, 889.0 µm; 168 hr, UL Standard
Retention of Tensile Strength	110%	100°C, 889.0 µm; 168 hr, UL Standard
RoHS Compliance	RoHS Compliant	
Uses	Communication Wire Jacketing	
	Wire & Cable Applications	
	Wire Jacketing	
Wire Types	CATV	

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