

PolyOne Geon™ Vinyl Wire & Cable JJF102L 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-JJF102L-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.39 g/cc	1.39 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	73	73	15 sec; ASTM D2240
	78	78	ASTM D2240
Tensile Strength, Yield	12.4 MPa	1800 psi	Type IV, 510 mm/min; ASTM D638
Elongation at Break	300 %	300 %	Type IV, 510 mm/min; ASTM D638
Tensile Modulus	0.00689 GPa	0.999 ksi	Type IV, 510 mm/min; ASTM D638

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	75.0 °C	167 °F	UL Temperature Rating
Brittleness Temperature	-27.0 °C	-16.6 °F	ASTM D746
Flammability, UL94	HB	HB	ALL; UL 94
	@Thickness 1.20 mm	@Thickness 0.0472 in	
	V-2	V-2	NC,BK; UL 94
@Thickness 3.00 mm	@Thickness 0.118 in		
	V-2	V-2	NC,BK; UL 94
	@Thickness 3.00 mm	@Thickness 0.118 in	

Processing Properties	Metric	English	Comments
Melt Temperature	166 - 171 °C	331 - 340 °F	

Descriptive Properties	Value	Comments
Agency Ratings	UL QMTT2	

Features Descriptive Properties	Sunlight Resistant (720 hours) Value	Comments
Forms	Pellets	
Generic Material	PVC, Flexible	
Generic Name	Polyvinyl Chloride, Flexible (PVC, Flexible)	
Processing Method	Extrusion	
	Injection Molding	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Retention of Tensile Elongation	90%	100°C, 1.91 mm; 240 hr, UL Standard
Retention of Tensile Strength	110%	100°C, 1.91 mm; 240 hr, UL Standard
RoHS Compliance	RoHS Compliant	
Uses	Cable Jacketing	
	Flexible Cord Insulation	
	Flexible Cord Jacketing	
	Wire & Cable Applications	
Wire Types	SJT	
	SVT	

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