

PolyOne Geon™ Vinyl Wire & Cable W3301 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-W3301-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.32 g/cc	1.32 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	73	73	15 sec; ASTM D2240
Tensile Strength, Yield	12.4 MPa	1800 psi	Type IV, 510 mm/min; ASTM D638
Elongation at Break	350 %	350 %	Type IV, 510 mm/min; ASTM D638

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	90.0 °C	194 °F	UL Temperature Rating
Flammability, UL94	HB @Thickness 1.50 mm	HB @Thickness 0.0591 in	WT; UL 94

Processing Properties	Metric	English	Comments
Melt Temperature	177 - 182 °C	351 - 360 °F	

Descriptive Properties	Value	Comments
Additive	Lead Stabilizer	
Agency Ratings	UL Class 12	
	UL QMFZ2	
Appearance	White	
Features	Low to No Odor	
Forms	Pellets	
Generic Material	PVC, Flexible	
Generic Name	Polyvinyl Chloride, Flexible (PVC, Flexible)	

Descriptive Properties Processing Method	Value Extrusion	Comments
	Injection Molding	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Retention of Tensile Elongation	80%	121°C, 1.91 mm; 168 hr, UL Standard
Uses	Cable Jacketing	
	Wire & Cable Applications	

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