

PolyOne Geon™ Vinyl Wire & Cable W3400 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-W3400-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.37 g/cc	1.37 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	83	83	ASTM D2240
Tensile Strength, Yield	15.2 MPa	2200 psi	Type IV, 510 mm/min; ASTM D638
Elongation at Break	300 %	300 %	Type IV, 510 mm/min; ASTM D638
Tensile Modulus	0.00758 GPa	1.10 ksi	Type IV, 51 mm/min; ASTM D638

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	75.0 °C	167 °F	UL Temperature Rating
Brittleness Temperature	-37.2 °C	-35.0 °F	ASTM D746
Flammability, UL94	V-0 @Thickness 1.50 mm	V-0 @Thickness 0.0591 in	ALL; UL 94
Oxygen Index	27 % @Thickness 1.91 mm	27 % @Thickness 0.0752 in	ASTM D2863

Electrical Properties	Metric	English	Comments
Dielectric Strength	35.0 kV/mm	889 kV/in	ASTM D149
Dissipation Factor	0.058 @Frequency 1000 Hz	0.058 @Frequency 1000 Hz	ASTM D150
	0.058 @Frequency 1000 Hz, Temperature 30.0 °C	0.058 @Frequency 1000 Hz, Temperature 86.0 °F	24 hr; ASTM D150

Processing Properties	Metric	English	Comments
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Processing Properties	Metric ^{88 °C}	English ^{70 °F}	Comments
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Descriptive Properties	Value	Comments
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Additive	Lead Stabilizer	
Agency Ratings	UL QMFZ2	
	UL QMTT2	
Appearance	Colors Available	
Features	Flame Retardant	
	Sunlight Resistant (720 hours)	
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	
Uses	Flexible Cord Jacketing	
	Wire & Cable Applications	

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