

PolyOne Geon™ Vinyl Wire & Cable W2402 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-W2402-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.24 g/cc	1.24 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	86	86	15 sec; ASTM D2240
Tensile Strength at Break	19.0 MPa	2760 psi	Type IV, 510 mm/min; ASTM D638
Elongation at Break	360 %	360 %	Type IV, 510 mm/min; ASTM D638
Tensile Modulus	0.00869 GPa	1.26 ksi	Type IV, 510 mm/min; ASTM D638

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	90.0 °C	194 °F	UL Temperature Rating
Brittleness Temperature	-46.0 °C	-50.8 °F	ASTM D746
Oxygen Index	26 % @Thickness 1.91 mm	26 % @Thickness 0.0752 in	ASTM D2863

Electrical Properties	Metric	English	Comments
Dielectric Strength	37.0 kV/mm	940 kV/in	ASTM D149

Descriptive Properties	Value	Comments
Additive	Lead Stabilizer	
Features	Flame Retardant	
Forms	Pellets	
Generic Material	PVC, Flexible	
Generic Name	Polyvinyl Chloride, Flexible (PVC, Flexible)	
Processing Method	Extrusion	

Descriptive Properties	Value	Comments
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Retention of Tensile Elongation	90%	121°C, 1.91 mm; 168 hr, UL Standard
Uses	Cable Jacketing	
	Communication Wire Jacketing	
	Wire & Cable Applications	

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