

PolyOne Geon™ Vinyl Wire & Cable W3204 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-W3204-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 D	59	59	15 sec; ASTM D2240
Tensile Strength	19.3 MPa @Strain 100 %	2800 psi @Strain 100 %	Type IV, 510 mm/min; ASTM D638
Tensile Strength, Yield	23.4 MPa	3390 psi	Type IV, 510 mm/min; ASTM D638
Elongation at Break	220 %	220 %	Type IV, 510 mm/min; ASTM D638

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	80.0 °C	176 °F	UL Temperature Rating
Brittleness Temperature	-20.0 °C	-4.00 °F	ASTM D746
Oxygen Index	26 % @Thickness 3.18 mm	26 % @Thickness 0.125 in	ASTM D2863

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.8 @Frequency 1000 Hz	3.8 @Frequency 1000 Hz	ASTM D150

Processing Properties	Metric	English	Comments
Melt Temperature	199 - 204 °C	390 - 399 °F	

Descriptive Properties	Value	Comments
Additive	Lead Stabilizer	
Agency Ratings	UL 758	

Descriptive Properties	Value	Comments
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	
	South America	
Retention of Tensile Elongation	90%	113°C, 1.91 mm; 168 hr, UL Standard
Uses	Wire & Cable Applications	
Wire Types	UL Style 1061	

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