

PolyOne Geon™ Vinyl Wire & Cable W1213 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-W1213-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.33 g/cc	1.33 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	48	48	15 sec; ASTM D2240
Tensile Strength, Yield	22.3 MPa	3230 psi	Type IV, 510 mm/min; ASTM D638
Elongation at Break	330 %	330 %	Type IV, 510 mm/min; ASTM D638

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	105 °C	221 °F	UL Temperature Rating
Brittleness Temperature	-16.0 °C	3.20 °F	ASTM D746
Oxygen Index	30 % @Thickness 1.91 mm	30 % @Thickness 0.0752 in	ASTM D2863

Processing Properties	Metric	English	Comments
Melt Temperature	188 - 193 °C	370 - 379 °F	

Descriptive Properties	Value	Comments
Additive	Lead Stabilizer	
Agency Ratings	UL QMTT2	
Features	Flame Retardant	
Forms	Pellets	
Generic Material	PVC, Flexible	
Generic Name	Polyvinyl Chloride, Flexible (PVC, Flexible)	
Processing Method	Extrusion Coating	

Descriptive Properties Regional Availability	Value Africa & Middle East	Comments
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Building Wire Insulation	
	Wire & Cable Applications	
Wire Types	THHN	
	THW	
	THW-2	
	THWN	
	THWN-2	

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