

PolyOne Geon™ Vinyl Wire & Cable W84592L 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-W84592L-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	62	62	15 sec; ASTM D2240
Tensile Strength at Break	23.4 MPa	3390 psi	Type IV, 51 mm/min; ASTM D638
Elongation at Break	260 %	260 %	Type IV, 51 mm/min; ASTM D638

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	105 °C	221 °F	UL Temperature Rating
Brittleness Temperature	-5.00 °C	23.0 °F	ASTM D746
Oxygen Index	32 % @Thickness 1.91 mm	32 % @Thickness 0.0752 in	ASTM D2863

Descriptive Properties	Value	Comments
Features	Flame Retardant	
Forms	Pellets	
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	

Descriptive Properties	South America Value	Comments
Retention of Tensile Elongation	95%	136°C, 762.0 µm; 168 hr, UL Standard
RoHS Compliance	RoHS Compliant	
Uses	Insulation	
	Wire & Cable Applications	

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