

PolyOne Geon™ Vinyl Wire & Cable EHA70L 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-EHA70L-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.31 g/cc	1.31 g/cc	ASTM D792
Deformation	12 % @Temperature 121 °C, Time 3600 sec	12 % @Temperature 250 °F, Time 1.00 hour	500 g; UL 1581

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	58	58	15 sec; ASTM D2240
Tensile Strength, Yield	25.2 MPa	3650 psi	Type IV, 510 mm/min; ASTM D638
Elongation at Break	300 %	300 %	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	-20.0 °C	-4.00 °F	ASTM D746
Oxygen Index	28 % @Thickness 1.91 mm	28 % @Thickness 0.0752 in	ASTM D2863

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

Descriptive Properties	Value	Comments
Agency Ratings	MIL W-16878	
Features	Flame Retardant	
Forms	Pellets	
Generic Material	PVC, Flexible	

Generic Name

Descriptive Properties	Polyvinyl Chloride, Flexible (PVC, Flexible) Value	Comments
Processing Method	Extrusion Coating	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Retention of Tensile Elongation	85%	136°C, 1.91 mm; 168 hr, UL Standard
RoHS Compliance	RoHS Compliant	
Uses	Flexible Cord Insulation	
	Flexible Cord Jacketing	
	Insulation	
	Wire & Cable Applications	
Wire Types	UL Style 1061	

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