

PolyOne Geon™ Vinyl Wire & Cable EHB400A 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-EHB400A-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.47 g/cc	1.47 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	90	90	15 sec; ASTM D2240
Tensile Strength, Yield	17.4 MPa	2520 psi	Type IV, 510 mm/min; ASTM D638
Elongation at Break	280 %	280 %	Type IV, 510 mm/min; ASTM D638

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	105 °C	221 °F	UL Temperature Rating
Oxygen Index	29 % @Thickness 1.91 mm	29 % @Thickness 0.0752 in	ASTM D2863

Electrical Properties	Metric	English	Comments
Volume Resistivity	3.20e+15 ohm-cm	3.20e+15 ohm-cm	ASTM D257

Processing Properties	Metric	English	Comments
Melt Temperature	174 - 182 °C	345 - 360 °F	

Descriptive Properties	Value	Comments
Additive	Lead Stabilizer	
Agency Ratings	CSA LAG (Low Acid Gas)	
Features	Flame Retardant	
Forms	Pellets	
Generic Material	PVC, Flexible	

Generic Name Descriptive Properties	Polyvinyl Chloride, Flexible (PVC, Flexible) Value	Comments
HCL Evolution	16%	CSA C22.2 No. 0.3
Processing Method	Extrusion Coating	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Retention of Tensile Elongation	96%	136°C, 1.91 mm; 168 hr, UL Standard
Retention of Tensile Strength	100%	136°C, 1.91 mm; 168 hr, UL Standard
Uses	Building Wire Insulation	
	Wire & Cable Applications	
Wire Types	THHN	
	THW	
	THWN	

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