

PolyOne Geon™ Vinyl Wire & Cable JC156HN 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-JC156HN-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.37 g/cc	1.37 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	84	84	15 sec; ASTM D2240
Tensile Strength, Yield	19.3 MPa	2800 psi	Type IV, 510 mm/min; ASTM D638
Elongation at Break	380 %	380 %	Type IV, 510 mm/min; ASTM D638

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-25.0 °C	-13.0 °F	ASTM D746
Oxygen Index	32 % @Thickness 1.91 mm	32 % @Thickness 0.0752 in	ASTM D2863

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.30e+14 ohm-cm	1.30e+14 ohm-cm	ASTM D257

Descriptive Properties	Value	Comments
Additive	Lead Stabilizer	
Change in Flexural Strength	97%	ASTM D543; 100°C, 1.91 mm; in IRM 902, 4 hr
Change in Ultimate Elongation	54%	ASTM D543; 100°C, 4 hr, in IRM 902 Oil; 0.075 in
Forms	Pellets	
Generic Material	PVC, Flexible	
Generic Name	Polyvinyl Chloride, Flexible (PVC, Flexible)	
Processing Method	Extrusion Coating	
Regional Availability	Africa & Middle East	

Descriptive Properties	Value	Comments
	Asia Pacific	
	Europe	
	North America	
	South America	
Retention of Tensile Elongation	85%	121°C, 1.91 mm; 336 hr, UL Standard
Retention of Tensile Strength	96%	121°C, 1.91 mm; 336 hr, UL Standard
Uses	Wire & Cable Applications	
Wire Types	PLTC	

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