

PolyOne Geon™ Vinyl Wire & Cable JG552NP Polyvinyl Chloride Alloy (PVC Alloy)

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-JG552NP-Polyvinyl-Chloride-Alloy-PVC-Alloy.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.46 g/cc	1.46 g/cc	ASTM D792
Deformation	16 %	16 %	200 g; UL 1581
	@Temperature 55.0 °C, Time 3600 sec	@Temperature 131 °F, Time 1.00 hour	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	78	78	15 sec; ASTM D2240
Tensile Strength, Yield	15.2 MPa	2200 psi	Type IV, 510 mm/min; ASTM D638
Elongation at Break	350 %	350 %	Type IV, 510 mm/min; ASTM D638

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-48.0 °C	-54.4 °F	ASTM D746
Oxygen Index	28 %	28 %	ASTM D2863
	@Thickness 1.91 mm	@Thickness 0.0752 in	

Processing Properties	Metric	English	Comments
Melt Temperature	160 - 170 °C	320 - 338 °F	

Descriptive Properties	Value	Comments
Agency Ratings	CSA LAG (Low Acid Gas)	
Change in Flexural Strength	85%	ASTM D543; 70°C, 1.91 mm; in ASTM Oil #2, 96 hr
Change in Ultimate Elongation	-20%	ASTM D543; 70°C, 96 hr, in ASTM #2 Oil; 0.075 in
Features	Flame Retardant	
Forms	Pellets	
Generic Material		

Descriptive Properties	PVC Alloy Value	Comments
Generic Name	Polyvinyl Chloride Alloy (PVC Alloy)	
HCL Evolution	10%	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	75%	121°C, 1.91 mm; 336 hr, UL Standard
Retention of Tensile Strength	100%	121°C, 1.91 mm; 336 hr, UL Standard
RoHS Compliance	RoHS Compliant	
Uses	Cable Jacketing	
	Wire & Cable Applications	

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