

PolyOne Geon™ Vinyl Wire & Cable WJAC38 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-WJAC38-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.38 g/cc	1.38 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	36	36	15 sec; ASTM D2240
Tensile Strength at Break	19.3 MPa	2800 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	60.0 °C	140 °F	UL Temperature Rating
Brittleness Temperature	-28.9 °C	-20.0 °F	ASTM D746
Oxygen Index	29 % @Thickness 1.91 mm	29 % @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	90%	100°C, 508.0 µm; 240 hr, UL Standard
Retention of Tensile Strength	100%	100°C, 508.0 µm; 240 hr, UL Standard
RoHS Compliance	RoHS Compliant	
Uses	Communication Wire Jacketing	
	Wire & Cable Applications	

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