

PolyOne Geon™ Vinyl Wire & Cable W649LF 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. Provisional Product Information - Physical and Mechanical properties based on initial production. Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Wire-Cable-W649LF-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.33 g/cc	1.33 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	54	54	15 sec; ASTM D2240
Tensile Strength at Break	20.7 MPa	3000 psi	Type IV, 510 mm/min; ASTM D638
Tensile Strength	13.8 MPa @Strain 100 %	2000 psi @Strain 100 %	Type IV, 510 mm/min; ASTM D638
Elongation at Break	180 %	180 %	Type IV, 510 mm/min; ASTM D638

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-14.0 °C	6.80 °F	ASTM D746
Oxygen Index	30 % @Thickness 3.18 mm	30 % @Thickness 0.125 in	ASTM D2863

Descriptive Properties	Value	Comments
Forms	Pellets	
Generic Material	PVC, Flexible	
Generic Name	Polyvinyl Chloride, Flexible (PVC, Flexible)	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	

Descriptive Properties	Value	Comments
RoHS Compliance	RoHS Compliant	
Uses	Wire & Cable Applications	

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