

PolyOne Geon™ Vinyl Wire & Cable W9400 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-W9400-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.30 g/cc	1.30 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	37	37	15 sec; ASTM D2240
Tensile Strength, Yield	17.9 MPa	2600 psi	Type IV, 510 mm/min; ASTM D638
Elongation at Break	340 %	340 %	Type IV, 510 mm/min; ASTM D638

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	105 °C	221 °F	UL Temperature Rating
Brittleness Temperature	-18.9 °C	-2.02 °F	ASTM D746
Flammability, UL94	V-2	V-2	ALL; UL 94
	@Thickness 0.749 mm	@Thickness 0.0295 in	
	V-1	V-1	BK; UL 94
	@Thickness 1.50 mm	@Thickness 0.0591 in	
	V-1	V-1	GY; UL 94
	@Thickness 1.50 mm	@Thickness 0.0591 in	
V-1	V-1	V-1	YL; UL 94
	@Thickness 1.50 mm	@Thickness 0.0591 in	
V-0	V-0	V-0	NC; UL 94
	@Thickness 1.50 mm	@Thickness 0.0591 in	
V-0	V-0	V-0	ALL; UL 94
	@Thickness 3.00 mm	@Thickness 0.118 in	

Processing Properties	Metric	English	Comments
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<small>Melt Temperature</small> Processing Properties	182 - 188 °C Metric	360 - 370 °F English	Comments
Descriptive Properties	Value		Comments
Additive	Lead Stabilizer		
Agency Ratings	UL QMFZ2		
Features	Flame Retardant		
Forms	Pellets		
Generic Material	PVC, Flexible		
Generic Name	Polyvinyl Chloride, Flexible (PVC, Flexible)		
Processing Method	Extrusion		
	Injection Molding		
Regional Availability	Africa & Middle East		
	Asia Pacific		
	Europe		
	North America		
	South America		
Uses	Wire & Cable Applications		

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