

PolyOne Geon™ Vinyl Wire & Cable MAF110A 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-MAF110A-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.42 g/cc	1.42 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	89	89	15 sec; ASTM D2240
Tensile Strength, Yield	21.6 MPa	3130 psi	Type IV, 510 mm/min; ASTM D638
Elongation at Break	290 %	290 %	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	-20.0 °C	-4.00 °F	ASTM D746
Flammability, UL94	HB	HB	ALL; Internal Method
	@Thickness 0.500 mm	@Thickness 0.0197 in	
	V-1	V-1	WT; UL 94
	@Thickness 1.50 mm	@Thickness 0.0591 in	
	V-0	V-0	BK; UL 94
@Thickness 1.50 mm	@Thickness 0.0591 in		
V-0	V-0	NC; UL 94	
@Thickness 1.50 mm	@Thickness 0.0591 in		
V-0	V-0	ALL; UL 94	
@Thickness 3.00 mm	@Thickness 0.118 in		

Processing Properties	Metric	English	Comments
Melt Temperature	171 - 182 °C	340 - 360 °F	

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)	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Wire & Cable Applications	

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