

PolyOne Geon™ Vinyl Wire & Cable W1202 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-W1202-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.36 g/cc	1.36 g/cc	ASTM D792
Deformation	21 % @Temperature 121 °C, Time 3600 sec	21 % @Temperature 250 °F, Time 1.00 hour	500 g; UL 1581

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	52	52	15 sec; ASTM D2240
Tensile Strength, Yield	22.4 MPa	3250 psi	Type IV, 510 mm/min; ASTM D638
Elongation at Break	290 %	290 %	Type IV, 510 mm/min; ASTM D638
Tensile Modulus	0.0167 GPa	2.42 ksi	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	-19.0 °C	-2.20 °F	ASTM D746
Flammability, UL94	V-0 @Thickness 0.749 mm	V-0 @Thickness 0.0295 in	ALL; UL 94
Oxygen Index	31 % @Thickness 1.91 mm	31 % @Thickness 0.0752 in	ASTM D2863

Processing Properties	Metric	English	Comments
Melt Temperature	191 - 196 °C	376 - 385 °F	

Descriptive Properties	Value	Comments
Additive	Lead Stabilizer	
Agency Ratings	UL QMF22	

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	
	South America	
Uses	Building Wire Insulation	
	Wire & Cable Applications	
Wire Types	THHN	
	THW	
	THW-2	
	THWN	
	TW	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China