

## PolyOne Geon™ Vinyl Wire & Cable W3201 Polyvinyl Chloride, Flexible (PVC, Flexible)

Category : Polymer , Thermoplastic , Vinyl (PVC) , PVC, Wire and Cable Grade

### Material Notes:

Geon® W3201 is UL recognized for UL 94 V0 per QMFZ2, and is suitable for injection molding. This product meets UL 105°C, AWM, and Mil-W-76 80°C insulation. NOTE: 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-W3201-Polyvinyl-Chloride-Flexible-PVC-Flexible.php](http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Wire-Cable-W3201-Polyvinyl-Chloride-Flexible-PVC-Flexible.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.37 g/cc	1.37 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	90	90	ASTM D2240
Tensile Strength, Yield	16.2 MPa	2350 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
Brittleness Temperature	-26.0 °C	-14.8 °F	ASTM D746
Flammability, UL94	V-0 @Thickness 1.90 mm	V-0 @Thickness 0.0748 in	ALL; UL 94
Oxygen Index	25 % @Thickness 1.91 mm	25 % @Thickness 0.0752 in	ASTM D2863

Processing Properties	Metric	English	Comments
Melt Temperature	182 - 188 °C	360 - 370 °F	

Descriptive Properties	Value	Comments
Additive	Lead Stabilizer	
Agency Ratings	MIL W-76 UL QMFZ2	
Forms	Pellets	
Generic Material		

Descriptive Properties	PVC, Flexible Value	Comments
Generic Name	Polyvinyl Chloride, Flexible (PVC, Flexible)	
Processing Method	Extrusion	
	Injection Molding	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Retention of Tensile Elongation	95%	136°C, 1.91 mm; 168 hr, UL Standard
Uses	Flexible Cord Insulation	
	Insulation	
	Wire & Cable Applications	
Wire Types	AWM	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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