

## PolyOne Geon™ Vinyl Wire & Cable W3400L 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-W3400L-Polyvinyl-Chloride-Flexible-PVC-Flexible.php](http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Wire-Cable-W3400L-Polyvinyl-Chloride-Flexible-PVC-Flexible.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.39 g/cc	1.39 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	77	77	15 sec; ASTM D2240
Tensile Strength, Yield	13.8 MPa	2000 psi	Type IV, 510 mm/min; ASTM D638
Elongation at Break	300 %	300 %	Type IV, 510 mm/min; ASTM D638
Tensile Modulus	0.00862 GPa	1.25 ksi	Type IV, 51 mm/min; ASTM D638

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	75.0 °C	167 °F	UL Temperature Rating
Brittleness Temperature	-36.0 °C	-32.8 °F	ASTM D746
Flammability, UL94	V-0	V-0	BK; UL 94
	@Thickness 1.50 mm	@Thickness 0.0591 in	
	V-0	V-0	WT; UL 94
	@Thickness 1.50 mm	@Thickness 0.0591 in	
V-0	V-0	V-0	YL; UL 94
	@Thickness 1.50 mm	@Thickness 0.0591 in	
V-0	V-0	V-0	ALL; UL 94
	@Thickness 1.90 mm	@Thickness 0.0748 in	
Oxygen Index	27 %	27 %	ASTM D2863
	@Thickness 1.91 mm	@Thickness 0.0752 in	

Processing Properties	Metric	English	Comments
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Melt Temperature Processing Properties	182 - 188 °C Metric	360 - 370 °F English	Comments
<b>Descriptive Properties</b>	<b>Value</b>		<b>Comments</b>
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		
Retention of Tensile Elongation	90%		100°C, 889.0 µm; 240 hr, UL Standard
Retention of Tensile Strength	100%		100°C, 889.0 µm; 240 hr, UL Standard
RoHS Compliance	RoHS Compliant		
Uses	Flexible Cord Jacketing		
	Wire & Cable Applications		

## 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