

## PolyOne Geon™ Vinyl Wire & Cable JG513GO 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-JG513GO-Polyvinyl-Chloride-Flexible-PVC-Flexible.php](http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Wire-Cable-JG513GO-Polyvinyl-Chloride-Flexible-PVC-Flexible.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.38 g/cc	1.38 g/cc	ASTM D792
Deformation	20 % @Temperature 55.0 °C, Time 3600 sec	20 % @Temperature 131 °F, Time 1.00 hour	200 g; UL 1581

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	76	76	15 sec; ASTM D2240
Tensile Strength, Yield	14.5 MPa	2100 psi	Type IV, 510 mm/min; ASTM D638
Elongation at Break	380 %	380 %	Type IV, 510 mm/min; ASTM D638

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-47.0 °C	-52.6 °F	ASTM D746
Oxygen Index	25 % @Thickness 1.91 mm	25 % @Thickness 0.0752 in	ASTM D2863

Processing Properties	Metric	English	Comments
Melt Temperature	160 - 170 °C	320 - 338 °F	

Descriptive Properties	Value	Comments
Additive	Lead Stabilizer	
Agency Ratings	CSA LAG (Low Acid Gas)	
Change in Flexural Strength	95%	ASTM D543; 70°C, 1.91 mm; in ASTM Oil #2, 96 hr
Change in Ultimate Elongation	-25%	ASTM D543; 70°C, 96 hr, in ASTM #2 Oil; 0.075 in
Features	Flame Retardant	
Forms		

Descriptive Properties	Pellets Value	Comments
Generic Material	PVC, Flexible	
Generic Name	Polyvinyl Chloride, Flexible (PVC, Flexible)	
HCL Evolution	13%	CSA C22.2 No. 0.3
Processing Method	Extrusion Coating	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Retention of Tensile Elongation	80%	121°C, 1.91 mm; 336 hr, UL Standard
Retention of Tensile Strength	100%	121°C, 1.91 mm; 336 hr, UL Standard
Uses	Cable Jacketing	
	Wire & Cable Applications	
Wire Types	FT-4	

## 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