

## PolyOne Geon™ Vinyl Wire & Cable JG513G2 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-JG513G2-Polyvinyl-Chloride-Flexible-PVC-Flexible.php](http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Wire-Cable-JG513G2-Polyvinyl-Chloride-Flexible-PVC-Flexible.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.40 g/cc	1.40 g/cc	ASTM D792
Deformation	20 %	20 %	200 g; UL 1581
	@Temperature 55.0 °C, Time 3600 sec	@Temperature 131 °F, Time 1.00 hour	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	76	76	15 sec; ASTM D2240
Tensile Strength, Yield	13.8 MPa	2000 psi	Type IV, 510 mm/min; ASTM D638
Elongation at Break	350 %	350 %	Type IV, 510 mm/min; ASTM D638

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-44.0 °C	-47.2 °F	ASTM D746
Oxygen Index	25 %	25 %	ASTM D2863
	@Thickness 1.91 mm	@Thickness 0.0752 in	

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

Descriptive Properties	Value	Comments
Additive	Lead Stabilizer	
Agency Ratings	CSA C-22.2, No. 131	
	CSA LAG (Low Acid Gas)	
Change in Flexural Strength	-12%	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

Descriptive Properties	Flame Retardant Value	Comments
Forms	Pellets	
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	Wire & Cable Applications	

## Contact Songhan Plastic Technology Co.,Ltd.

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