

## PolyOne Geon™ Vinyl Wire & Cable WR8180L 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-WR8180L-Polyvinyl-Chloride-Flexible-PVC-Flexible.php](http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Wire-Cable-WR8180L-Polyvinyl-Chloride-Flexible-PVC-Flexible.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.40 g/cc	1.40 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	89	89	15 sec; ASTM D2240
Tensile Strength, Yield	17.9 MPa	2600 psi	Type IV, 510 mm/min; ASTM D638
Elongation at Break	300 %	300 %	Type IV, 510 mm/min; ASTM D638

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-24.0 °C	-11.2 °F	ASTM D746
Oxygen Index	29 % @Thickness 1.91 mm	29 % @Thickness 0.0752 in	ASTM D2863

Processing Properties	Metric	English	Comments
Melt Temperature	165 - 175 °C	329 - 347 °F	

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	

Descriptive Properties	Value	Comments
	North America	
	South America	
Retention of Tensile Elongation	80%	121°C, 1.91 mm; 500 hr, UL Standard
Retention of Tensile Strength	110%	121°C, 1.91 mm; 500 hr, UL Standard
RoHS Compliance	RoHS Compliant	
Uses	Building Wire Insulation	
	Wire & Cable Applications	
Wire Types	NMD90	

## Contact Songhan Plastic Technology Co.,Ltd.

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