

## PolyOne Geon™ Vinyl Wire & Cable WELB406L 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-WELB406L-Polyvinyl-Chloride-Flexible-PVC-Flexible.php](http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Wire-Cable-WELB406L-Polyvinyl-Chloride-Flexible-PVC-Flexible.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.34 g/cc	1.34 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	87	87	15 sec; ASTM D2240
Tensile Strength, Yield	18.6 MPa	2700 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
Maximum Service Temperature, Air	90.0 °C	194 °F	UL Temperature Rating
Brittleness Temperature	-30.0 °C	-22.0 °F	ASTM D746
Oxygen Index	25 % @Thickness 3.18 mm	25 % @Thickness 0.125 in	ASTM D2863

Processing Properties	Metric	English	Comments
Melt Temperature	171 - 177 °C	340 - 351 °F	

Descriptive Properties	Value	Comments
Forms	Pellets	
Generic Material	PVC, Flexible	
Generic Name	Polyvinyl Chloride, Flexible (PVC, Flexible)	
Processing Method	Extrusion Coating	
Regional Availability	Africa & Middle East Asia Pacific	

Descriptive Properties	Value <sup>®</sup>	Comments
	North America	
	South America	
Retention of Tensile Elongation	100%	121°C, 889.0 µm; 168 hr, UL Standard
Retention of Tensile Strength	65%	121°C, 889.0 µm; 168 hr, UL Standard
RoHS Compliance	RoHS Compliant	
Uses	Insulation	
	Wire & Cable Applications	

## Contact Songhan Plastic Technology Co.,Ltd.

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