

PolyOne Geon™ Vinyl Wire & Cable 1800-xx19D 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-1800-xx19D-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.38 g/cc	1.38 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	85	85	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
Maximum Service Temperature, Air	90.0 °C	194 °F	UL Temperature Rating
Brittleness Temperature	-20.0 °C	-4.00 °F	ASTM D746

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	ASTM D257

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

Descriptive Properties	Value	Comments
Additive	Lead Stabilizer	
Agency Ratings	UL QMTT2	
Forms	Pellets	
Generic Material	PVC, Flexible	
Generic Name	Polyvinyl Chloride, Flexible (PVC, Flexible)	
Processing Method	Extrusion Coating	

Regional Availability Descriptive Properties	Africa & Middle East Value	Comments
	Asia Pacific	
	Europe	
	North America	
	South America	
Retention of Tensile Elongation	90%	121°C, 1.91 mm; 168 hr, UL Standard
Retention of Tensile Strength	100%	121°C, 1.91 mm; 168 hr, UL Standard
Uses	Insulation	
	Wire & Cable Applications	
Wire Types	THW	
	TW	

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