

PolyOne Geon™ Vinyl Wire & Cable W1604L-xx07FRD 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-W1604L-xx07FRD-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 D	41	41	15 sec; ASTM D2240
Tensile Strength at Break	19.3 MPa	2800 psi	Type IV, 510 mm/min; ASTM D638
Elongation at Break	280 %	280 %	Type IV, 510 mm/min; ASTM D638

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	60.0 °C	140 °F	UL Temperature Rating
	75.0 °C	167 °F	UL Temperature Rating
Brittleness Temperature	-30.0 °C	-22.0 °F	ASTM D746
Oxygen Index	32 %	32 %	ASTM D2863
	@Thickness 1.91 mm	@Thickness 0.0752 in	

Processing Properties	Metric	English	Comments
Melt Temperature	174 - 182 °C	345 - 360 °F	

Descriptive Properties	Value	Comments
Agency Ratings	NEC Article 725	
	NEC Article 760	
	NEC Article 800	
Features	Flame Retardant	
	General Purpose	

Descriptive Properties	Value	Comments
Generic Material	PVC, Flexible	
Generic Name	Polyvinyl Chloride, Flexible (PVC, Flexible)	
Processing Method	Extrusion Coating	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Retention of Tensile Elongation	84%	113°C, 762.0 µm; 168 hr, UL Standard
Retention of Tensile Strength	100%	113°C, 762.0 µm; 168 hr, UL Standard
RoHS Compliance	RoHS Compliant	
Uses	Cable Jacketing	
	Communication Wire Jacketing	
	Wire & Cable Applications	
Wire Types	CL2	
	CL2R	
	CL3R	
	CMR	
	FPLR	

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