

PolyOne Geon™ Vinyl Wire & Cable 1604-xx27FRD 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-1604-xx27FRD-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	82	82	15 sec; ASTM D2240
Tensile Strength at Break	13.4 MPa	1940 psi	Type IV, 510 mm/min; ASTM D638
Elongation at Break	230 %	230 %	Type IV, 510 mm/min; ASTM D638

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	75.0 °C	167 °F	UL Temperature Rating
Brittleness Temperature	-32.0 °C	-25.6 °F	ASTM D746
Oxygen Index	31 % @Thickness 1.91 mm	31 % @Thickness 0.0752 in	ASTM D2863

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

Descriptive Properties	Value	Comments
Additive	Lead Stabilizer	
Features	Flame Retardant	
	General Purpose	
	Low Gloss	
Forms	Pellets	
Generic Material	PVC, Flexible	
Generic Name	Polyvinyl Chloride, Flexible (PVC, Flexible)	

Descriptive Properties Processing Method	Value Extrusion Coating	Comments
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Retention of Tensile Elongation	100%	113°C, 1.91 mm; 168 hr, UL Standard
Retention of Tensile Strength	85%	113°C, 1.91 mm; 168 hr, UL Standard
Uses	Cable Jacketing	
	Communication Wire Jacketing	
	Wire & Cable Applications	
Wire Types	CL2	
	CL2R	
	CL3R	
	CMR	
	FPLR	

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