PolyOne Geon™ Vinyl Wire & Cable W1104L-xx60FRDUV 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-W1104L-xx60FRDUV-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.44 g/cc	1.44 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	82	82	15 sec; ASTM D2240
Tensile Strength, Yield	15.2 MPa	2200 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	75.0 °C	167 °F	UL Temperature Rating
Brittleness Temperature	-25.0 °C	-13.0 °F	ASTM D746
Oxygen Index	29 % @Thickness 1.91 mm	29 % @Thickness 0.0752 in	ASTM D2863

Processing Properties	Metric	English	Comments
Melt Temperature	168 - 174 °C	334 - 345 °F	

Descriptive Properties	Value	Comments
Additive	UV Stabilizer	
Features	Flame Retardant	
Forms	Pellets	
Generic Material	PVC, Flexible	
Generic Name	Polyvinyl Chloride, Flexible (PVC, Flexible)	
Processing Method	Extrusion Coating	

Descriptive Properties	Value	Comments
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Retention of Tensile Elongation	85%	113°C, 1.91 mm; 168 hr, UL Standard
Retention of Tensile Strength	110%	113°C, 1.91 mm; 168 hr, UL Standard
RoHS Compliance	RoHS Compliant	
Uses	Communication Wire Jacketing	
	Wire & Cable Applications	
	Wire Jacketing	
Wire Types	CATV	
	CMX	

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