

PolyOne Geon™ Vinyl Wire & Cable Y594B 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-Y594B-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.30 g/cc	1.30 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	82	82	15 sec; ASTM D2240
Tensile Strength, Yield	14.0 MPa	2030 psi	Type IV, 510 mm/min; ASTM D638
Elongation at Break	320 %	320 %	Type IV, 510 mm/min; ASTM D638

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-28.1 °C	-18.6 °F	ASTM D746
Oxygen Index	24 % @Thickness 1.91 mm	24 % @Thickness 0.0752 in	ASTM D2863

Processing Properties	Metric	English	Comments
Melt Temperature	166 - 176 °C	331 - 349 °F	

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

Descriptive Properties	Value	Comments
	North America	
	South America	
Retention of Tensile Elongation	89%	136°C, 1.91 mm; 168 hr, UL Standard
Retention of Tensile Strength	85%	136°C, 1.91 mm; 168 hr, UL Standard
RoHS Compliance	RoHS Compliant	
Uses	Wire & Cable Applications	

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