

PolyOne Geon™ Vinyl Wire & Cable JA612EA Polyvinyl Chloride, Flexible (PVC, Flexible)

Category : Polymer , Thermoplastic , Vinyl (PVC) , PVC, Wire and Cable Grade

Material Notes:

Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Wire-Cable-JA612EA-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.36 g/cc	1.36 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	77	77	15 sec; ASTM D2240
Tensile Strength at Break	14.5 MPa	2100 psi	Type IV, 510 mm/min; ASTM D638
Tensile Strength	12.8 MPa @Strain 100 %	1860 psi @Strain 100 %	Type IV, 510 mm/min; ASTM D638
Elongation at Break	300 %	300 %	Type IV, 510 mm/min; ASTM D638
Tear Strength	61.3 kN/m	350 pli	Die C, 510 mm/min; ASTM D624

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-52.2 °C	-62.0 °F	ASTM D746
Oxygen Index	24 % @Thickness 3.18 mm	24 % @Thickness 0.125 in	ASTM D2863

Processing Properties	Metric	English	Comments
Melt Temperature	179 - 185 °C	354 - 365 °F	
	193 - 204 °C	379 - 399 °F	

Descriptive Properties	Value	Comments
Agency Ratings	CGSB 41-GB-35M	
Features	Low Temperature Resistant	
Forms	Pellets	
Generic Material	PVC, Flexible	

Descriptive Properties	Value	Comments
Processing Method	Extrusion	
	Injection Molding	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Construction Applications	

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