

PolyOne Geon™ Vinyl Wire & Cable JAC31A 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-JAC31A-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.43 g/cc	1.43 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	92	92	15 sec; ASTM D2240
Tensile Strength at Break	20.7 MPa	3000 psi	Type IV, 510 mm/min; ASTM D638
Elongation at Break	290 %	290 %	Type IV, 510 mm/min; ASTM D638

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	90.0 °C	194 °F	UL Temperature Rating
Brittleness Temperature	-28.0 °C	-18.4 °F	ASTM D746
Oxygen Index	33 % @Thickness 1.91 mm	33 % @Thickness 0.0752 in	ASTM D2863

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	ASTM D257

Processing Properties	Metric	English	Comments
Melt Temperature	177 - 182 °C	351 - 360 °F	

Descriptive Properties	Value	Comments
Additive	Lead Stabilizer	
Agency Ratings	UL 444	
Features	Flame Retardant	
Forms	Pellets	

Generic Material Descriptive Properties	PVC Flexible Value	Comments
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	80%	121°C, 1.91 mm; 336 hr, UL Standard
Retention of Tensile Strength	100%	121°C, 1.91 mm; 336 hr, UL Standard
Uses	Communication Wire Jacketing	
	Wire & Cable Applications	
Wire Types	CL2	
	CL2R	
	CL3R	
	CMR	
	FPLR	

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