

PolyOne Geon™ Vinyl Wire & Cable JLC31A 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-JLC31A-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.26 g/cc	1.26 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	15 sec; ASTM D2240
	88	88	ASTM D2240
Tensile Strength at Break	15.2 MPa	2200 psi	Type IV, 510 mm/min; ASTM D638
Elongation at Break	300 %	300 %	Type IV, 510 mm/min; ASTM D638
Tensile Modulus	0.00758 GPa	1.10 ksi	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	-40.0 °C	-40.0 °F	ASTM D746
Oxygen Index	25 % @ Thickness 1.91 mm	25 % @ Thickness 0.0752 in	ASTM D2863

Descriptive Properties	Value	Comments
Additive	Lead Stabilizer	
Features	Flame Retardant	
	Fungus Resistant	
	Low Temperature Resistant	
Forms	Pellets	
Generic Material	PVC, Flexible	
Generic Name	Polyvinyl Chloride, Flexible (PVC, Flexible)	

Descriptive Properties	Value	Comments
Regional Availability	Asia Pacific	
	Europe	
	North America	
	South America	
Retention of Tensile Elongation	80%	121°C, 1.91 mm; 168 hr, UL Standard
Uses	Communication Wire Jacketing	
	Wire & Cable Applications	

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