

PolyOne Geon™ Vinyl Wire & Cable JLK51L 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-JLK51L-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.41 g/cc	1.41 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	87	87	15 sec; ASTM D2240
Tensile Strength, Yield	15.9 MPa	2310 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
	90.0 °C	194 °F	UL Temperature Rating
Brittleness Temperature	-31.0 °C	-23.8 °F	ASTM D746
Oxygen Index	30 %	30 %	ASTM D2863
	@Thickness 1.91 mm	@Thickness 0.0752 in	

Processing Properties	Metric	English	Comments
Melt Temperature	166 - 177 °C	331 - 351 °F	

Descriptive Properties	Value	Comments
Agency Ratings	UL QMTT2	
Features	Flame Retardant	
	Sunlight Resistant (720 hours)	
Forms	Pellets	
Generic Material	PVC, Flexible	
Generic Name	Polyvinyl Chloride, Flexible (PVC, Flexible)	

Descriptive Properties <small>Processing Method</small>	Value <small>Extrusion Coating</small>	Comments
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Retention of Tensile Elongation	80%	121°C, 1.14 mm; 168 hr, UL Standard
Retention of Tensile Strength	110%	121°C, 1.14 mm; 168 hr, UL Standard
RoHS Compliance	RoHS Compliant	
Uses	Cable Jacketing	
	Wire & Cable Applications	
Wire Types	PLTC	

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