

PolyOne Geon™ Vinyl Wire & Cable JC435XC 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-JC435XC-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.31 g/cc	1.31 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	73	73	15 sec; ASTM D2240
Tensile Strength, Yield	15.5 MPa	2250 psi	Type IV, 510 mm/min; ASTM D638
Elongation at Break	400 %	400 %	Type IV, 510 mm/min; ASTM D638

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-45.0 °C	-49.0 °F	ASTM D746
Oxygen Index	25 % @Thickness 1.91 mm	25 % @Thickness 0.0752 in	ASTM D2863

Electrical Properties	Metric	English	Comments
Volume Resistivity	4.60e+11 ohm-cm	4.60e+11 ohm-cm	ASTM D257

Processing Properties	Metric	English	Comments
Melt Temperature	160 - 170 °C	320 - 338 °F	

Descriptive Properties	Value	Comments
Features	Flame Retardant	
Forms	Pellets	
Generic Material	PVC, Flexible	
Generic Name	Polyvinyl Chloride, Flexible (PVC, Flexible)	
Processing Method	Extrusion Coating	

Regional Availability Descriptive Properties	Africa & Middle East Value	Comments
	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	110%	121°C, 1.91 mm; 336 hr, UL Standard
RoHS Compliance	RoHS Compliant	
Uses	Building Wire Jacketing	
	Wire & Cable Applications	
Wire Types	SER	
	SEU	

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