

PolyOne Geon™ Vinyl Flexible R3090S Polyvinyl Chloride, Flexible (PVC, Flexible)

Category : Polymer , Thermoplastic , Vinyl (PVC)

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-Flexible-R3090S-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.18 g/cc	1.18 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	66	66	15 sec; ASTM D2240
Tensile Strength, Yield	11.0 MPa	1600 psi	Type IV, 510 mm/min; ASTM D638
Elongation at Break	370 %	370 %	Type IV, 510 mm/min; ASTM D638

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-34.0 °C	-29.2 °F	ASTM D746
Flammability, UL94	V-2	V-2	BK; Internal Method
	@Thickness 1.50 mm	@Thickness 0.0591 in	
	V-2	V-2	
	@Thickness 1.50 mm	@Thickness 0.0591 in	NC; Internal Method
	V-2	V-2	RD; Internal Method
	@Thickness 1.50 mm	@Thickness 0.0591 in	
Oxygen Index	21 %	21 %	ASTM D2863
	@Thickness 1.91 mm	@Thickness 0.0752 in	

Processing Properties	Metric	English	Comments
Melt Temperature	155 - 165 °C	311 - 329 °F	

Descriptive Properties	Value	Comments
Agency Ratings	UL QMFZ2	
Appearance	Clear/Transparent	

Forms Descriptive Properties	Pellets Value	Comments
Generic Material	PVC, Flexible	
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%	136°C, 1.91 mm; 168 hr, UL Standard
Retention of Tensile Strength	110%	136°C, 1.91 mm; 168 hr, UL Standard
RoHS Compliance	RoHS Compliant	
Uses	Cable Jacketing	
	Flexible Cord Jacketing	
	Wire & Cable Applications	

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