

## PolyOne Geon™ Vinyl Flexible R7400B 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-R7400B-Polyvinyl-Chloride-Flexible-PVC-Flexible.php](http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Flexible-R7400B-Polyvinyl-Chloride-Flexible-PVC-Flexible.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.27 g/cc	1.27 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	67	67	15 sec; ASTM D2240
Tensile Strength, Yield	15.2 MPa	2200 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
Maximum Service Temperature, Air	105 °C	221 °F	UL Temperature Rating
Brittleness Temperature	-50.0 °C	-58.0 °F	ASTM D746
Oxygen Index	24 % @Thickness 1.91 mm	24 % @Thickness 0.0752 in	ASTM D2863

Electrical Properties	Metric	English	Comments
Volume Resistivity	6.40e+11 ohm-cm	6.40e+11 ohm-cm	ASTM D257

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

Descriptive Properties	Value	Comments
Additive	Lead Stabilizer	
Agency Ratings	UL QMTT2	
Change in Flexural Strength	100%	ASTM D543; 60°C, 1.91 mm; in ASTM Oil #2, 168 hr
Change in Ultimate Elongation	-19%	ASTM D543; 60°C, 168 hr, in ASTM #2 Oil; 0.075 in

Features Descriptive Properties	Flame Retardant Value	Comments
	Sunlight Resistant (720 hours)	
Forms	Pellets	
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	89%	121°C, 1.91 mm; 500 hr, UL Standard
Retention of Tensile Strength	110%	121°C, 1.91 mm; 500 hr, UL Standard
Uses	Cable Jacketing	
	Flexible Cord Jacketing	
	Wire & Cable Applications	
Wire Types	SJT	
	SJTO	

## Contact Songhan Plastic Technology Co.,Ltd.

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