

**PolyOne Geon™ Vinyl Flexible A9001 Polyvinyl Chloride, Flexible (PVC, Flexible)**

Category : Polymer , Thermoplastic , Vinyl (PVC)

**Material Notes:**

Recommended for interior applications. Information provided by PolyOne

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Geon-Vinyl-Flexible-A9001-Polyvinyl-Chloride-Flexible-PVC-Flexible.php](http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Flexible-A9001-Polyvinyl-Chloride-Flexible-PVC-Flexible.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.24 g/cc	1.24 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	84	84	15 sec; ASTM D2240
	90	90	ASTM D2240
Tensile Strength at Break	18.6 MPa	2700 psi	510 mm/min; ASTM D638
Tensile Strength	10.9 MPa	1580 psi	510 mm/min; ASTM D638
	@Strain 100 %	@Strain 100 %	
Elongation at Break	390 %	390 %	510 mm/min; ASTM D638

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-33.9 °C	-29.0 °F	ASTM D746

Optical Properties	Metric	English	Comments
Haze	5.0 %	5.0 %	ASTM D1003
	@Thickness 1.91 mm	@Thickness 0.0750 in	
Transmission, Visible	80 %	80 %	ASTM D1003
	@Thickness 1.91 mm	@Thickness 0.0750 in	

Processing Properties	Metric	English	Comments
Melt Temperature	177 - 182 °C	351 - 360 °F	
	193 - 204 °C	379 - 399 °F	

Descriptive Properties	Value	Comments
Appearance	Clear/Transparent	

Features Descriptive Properties	General Purpose Value	Comments
	High Gloss	
Forms	Pellets	
Generic Material	PVC, Flexible	
Generic Name	Polyvinyl Chloride, Flexible (PVC, Flexible)	
Processing Method	Extrusion	
	Injection Molding	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Film	
	General Purpose	
	Hose	
	Sheet	
	Tubing	

## Contact Songhan Plastic Technology Co.,Ltd.

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