

## PolyOne Geon™ Vinyl Flexible A8501 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-A8501-Polyvinyl-Chloride-Flexible-PVC-Flexible.php](http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Flexible-A8501-Polyvinyl-Chloride-Flexible-PVC-Flexible.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.21 g/cc	1.21 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	79	79	15 sec; ASTM D2240
	85	85	ASTM D2240
Tensile Strength at Break	16.5 MPa	2390 psi	510 mm/min; ASTM D638
Tensile Strength	9.65 MPa @Strain 100 %	1400 psi @Strain 100 %	510 mm/min; ASTM D638
Elongation at Break	400 %	400 %	510 mm/min; ASTM D638
Tear Strength	73.6 kN/m	420 pli	Die C, 510 mm/min; ASTM D624

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-32.8 °C	-27.0 °F	ASTM D746

Processing Properties	Metric	English	Comments
Melt Temperature	174 - 179 °C	345 - 354 °F	
	193 - 204 °C	379 - 399 °F	

Descriptive Properties	Value	Comments
Appearance	Clear/Transparent	
Features	General Purpose	
	High Gloss	
Forms	Pellets	
Generic Material	PVC, Flexible	

<b>Generic Name</b> <b>Descriptive Properties</b>	<b>Polyvinyl Chloride, Flexible (PVC, Flexible)</b> <b>Value</b>	<b>Comments</b>
<b>Processing Method</b>	Extrusion	
	Injection Molding	
	Profile Extrusion	
<b>Regional Availability</b>	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
<b>Uses</b>	Flooring	
	General Purpose	
	Hose	
	Tubing	

## Contact Songhan Plastic Technology Co.,Ltd.

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