

## PolyOne Geon™ Vinyl Flexible C6501 Polyvinyl Chloride, Flexible (PVC, Flexible)

Category : Polymer , Thermoplastic , Vinyl (PVC)

### Material Notes:

Information provided by PolyOne

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Geon-Vinyl-Flexible-C6501-Polyvinyl-Chloride-Flexible-PVC-Flexible.php](http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Flexible-C6501-Polyvinyl-Chloride-Flexible-PVC-Flexible.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.36 g/cc	1.36 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	60	60	15 sec; ASTM D2240
	65	65	ASTM D2240
Tensile Strength at Break	6.89 MPa	999 psi	510 mm/min; ASTM D638
Tensile Strength	3.45 MPa @Strain 100 %	500 psi @Strain 100 %	510 mm/min; ASTM D638
Elongation at Break	350 %	350 %	510 mm/min; ASTM D638
Tear Strength	15.8 kN/m	90.2 pli	Die C, 510 mm/min; ASTM D624
Compression Set	30 % @Temperature 23.0 °C, Time 79200 sec	30 % @Temperature 73.4 °F, Time 22.0 hour	ASTM D395

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-43.9 °C	-47.0 °F	ASTM D746

Processing Properties	Metric	English	Comments
Melt Temperature	168 - 174 °C	334 - 345 °F	
	188 - 199 °C	370 - 390 °F	

Descriptive Properties	Value	Comments
Features	Medium Gloss	
Forms	Pellets	
Generic Material	PVC, Flexible	

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

## Contact Songhan Plastic Technology Co.,Ltd.

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