

## PolyOne Geon™ Vinyl Flexible C5D01 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-C5D01-Polyvinyl-Chloride-Flexible-PVC-Flexible.php](http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Flexible-C5D01-Polyvinyl-Chloride-Flexible-PVC-Flexible.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.43 g/cc	1.43 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	40	40	15 sec; ASTM D2240
	56	56	ASTM D2240
Tensile Strength at Break	18.6 MPa	2700 psi	510 mm/min; ASTM D638
Tensile Strength	14.5 MPa @Strain 100 %	2100 psi @Strain 100 %	510 mm/min; ASTM D638
Elongation at Break	260 %	260 %	510 mm/min; ASTM D638
Tear Strength	105 kN/m	599 pli	Die C, 510 mm/min; ASTM D624
Compression Set	60 % @Temperature 23.0 °C, Time 79200 sec	60 % @Temperature 73.4 °F, Time 22.0 hour	ASTM D395
Clash Berg Modulus	0.889 GPa	129 ksi	ASTM D1043
	0.310 GPa @Temperature -14.0 °C	45.0 ksi @Temperature 6.80 °F	ASTM D1043

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-16.1 °C	3.02 °F	ASTM D746

Processing Properties	Metric	English	Comments
Melt Temperature	179 - 185 °C	354 - 365 °F	
	193 - 204 °C	379 - 399 °F	

Descriptive Properties	Value	Comments
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<b>Features</b> Descriptive Properties	<b>Low Gloss</b> Value	Comments
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	Construction Applications	
	Cove Base	

## Contact Songhan Plastic Technology Co.,Ltd.

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