

## PolyOne Geon™ Vinyl Flexible B90T0 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-B90T0-Polyvinyl-Chloride-Flexible-PVC-Flexible.php](http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Flexible-B90T0-Polyvinyl-Chloride-Flexible-PVC-Flexible.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.31 g/cc	1.31 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.013 - 0.017 cm/cm	0.013 - 0.017 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	85	85	15 sec; ASTM D2240
	90	90	ASTM D2240
Tensile Strength at Break	15.9 MPa	2310 psi	510 mm/min; ASTM D638
Tensile Strength	10.3 MPa @Strain 100 %	1490 psi @Strain 100 %	510 mm/min; ASTM D638
Elongation at Break	300 %	300 %	510 mm/min; ASTM D638
Tear Strength	77.1 kN/m	440 pli	Die C, 510 mm/min; ASTM D624
Compression Set	40 % @Temperature 23.0 °C, Time 79200 sec	40 % @Temperature 73.4 °F, Time 22.0 hour	ASTM D395

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

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

Descriptive Properties	Value	Comments
Features	Medium Gloss	
Forms	Pellets	

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

## Contact Songhan Plastic Technology Co.,Ltd.

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