

## PolyOne Geon™ Vinyl Flexible B4DC1 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-B4DC1-Polyvinyl-Chloride-Flexible-PVC-Flexible.php](http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Flexible-B4DC1-Polyvinyl-Chloride-Flexible-PVC-Flexible.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.35 g/cc	1.35 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0080 - 0.012 cm/cm	0.0080 - 0.012 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	36	36	15 sec; ASTM D2240
	50	50	ASTM D2240
Tensile Strength at Break	15.9 MPa	2310 psi	510 mm/min; ASTM D638
Tensile Strength	8.27 MPa @Strain 100 %	1200 psi @Strain 100 %	510 mm/min; ASTM D638
Elongation at Break	350 %	350 %	510 mm/min; ASTM D638
Tear Strength	77.1 kN/m	440 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	0.490 GPa	71.1 ksi	ASTM D1043
	0.310 GPa @Temperature -33.0 °C	45.0 ksi @Temperature -27.4 °F	ASTM D1043

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-33.3 °C	-27.9 °F	ASTM D746

Processing Properties	Metric	English	Comments
Melt Temperature	179 - 185 °C	354 - 365 °F	
	196 - 207 °C	385 - 405 °F	

Descriptive Properties	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	Hose	
	Tubing	

## Contact Songhan Plastic Technology Co.,Ltd.

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