

## PolyOne Geon™ Vinyl Flexible B6500 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-B6500-Polyvinyl-Chloride-Flexible-PVC-Flexible.php](http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Flexible-B6500-Polyvinyl-Chloride-Flexible-PVC-Flexible.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.24 g/cc	1.24 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.019 - 0.023 cm/cm	0.019 - 0.023 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	57	57	15 sec; ASTM D2240
	65	65	ASTM D2240
Tensile Strength at Break	10.3 MPa	1490 psi	510 mm/min; ASTM D638
Tensile Strength	3.62 MPa @Strain 100 %	525 psi @Strain 100 %	510 mm/min; ASTM D638
Elongation at Break	460 %	460 %	510 mm/min; ASTM D638
Tear Strength	38.5 kN/m	220 pli	Die C, 510 mm/min; ASTM D624
Compression Set	22 % @Temperature 23.0 °C, Time 79200 sec	22 % @Temperature 73.4 °F, Time 22.0 hour	ASTM D395
Clash Berg Modulus	0.0241 GPa	3.50 ksi	ASTM D1043
	0.310 GPa @Temperature -55.0 °C	45.0 ksi @Temperature -67.0 °F	ASTM D1043

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-51.1 °C	-60.0 °F	ASTM D746
Flammability, UL94	HB	HB	ALL; UL 94
	@Thickness 1.50 mm	@Thickness 0.0591 in	

Processing Properties	Metric	English	Comments
Melt Temperature	168 - 174 °C	334 - 345 °F	

Processing Properties	Metric	English	Comments
Descriptive Properties	Value		Comments
Features	General Purpose		
	Medium Gloss		
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	General Purpose		

## Contact Songhan Plastic Technology Co.,Ltd.

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