

PolyOne Geon™ Vinyl Flexible B6000 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-B6000-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.22 g/cc	1.22 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.018 - 0.022 cm/cm	0.018 - 0.022 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	52	52	15 sec; ASTM D2240
	60	60	ASTM D2240
Tensile Strength at Break	8.76 MPa	1270 psi	510 mm/min; ASTM D638
Tensile Strength	3.03 MPa @Strain 100 %	439 psi @Strain 100 %	510 mm/min; ASTM D638
Elongation at Break	460 %	460 %	510 mm/min; ASTM D638
Tear Strength	30.6 kN/m	175 pli	Die C, 510 mm/min; ASTM D624
Compression Set	20 % @Temperature 23.0 °C, Time 79200 sec	20 % @Temperature 73.4 °F, Time 22.0 hour	ASTM D395
Clash Berg Modulus	0.0221 GPa	3.21 ksi	ASTM D1043
	0.310 GPa @Temperature -57.0 °C	45.0 ksi @Temperature -70.6 °F	ASTM D1043

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-52.8 °C	-63.0 °F	ASTM D746

Processing Properties	Metric	English	Comments
Melt Temperature	163 - 168 °C	325 - 334 °F	
	179 - 188 °C	354 - 370 °F	

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	

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