

PolyOne Geon™ Vinyl Flexible B9000 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-B9000-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.34 g/cc	1.34 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	17.2 MPa	2490 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	360 %	360 %	510 mm/min; ASTM D638
Tear Strength	78.8 kN/m	450 pli	Die C, 510 mm/min; ASTM D624
Compression Set	38 % @Temperature 23.0 °C, Time 79200 sec	38 % @Temperature 73.4 °F, Time 22.0 hour	ASTM D395
Clash Berg Modulus	0.558 GPa	80.9 ksi	ASTM D1043
	0.310 GPa @Temperature -26.0 °C	45.0 ksi @Temperature -14.8 °F	ASTM D1043

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-30.0 °C	-22.0 °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	
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	

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