

PolyOne Geon™ Vinyl Flexible B6D00 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-B6D00-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.41 g/cc	1.41 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	59	59	15 sec; ASTM D2240
	69	69	ASTM D2240
Tensile Strength at Break	21.4 MPa	3100 psi	Type IV, 510 mm/min; ASTM D638
Tensile Strength	19.3 MPa	2800 psi	Type IV, 510 mm/min; ASTM D638
	@Strain 100 %	@Strain 100 %	
Elongation at Break	280 %	280 %	Type IV, 510 mm/min; ASTM D638
Compression Set	90 %	90 %	ASTM D395
	@Temperature 23.0 °C, Time 79200 sec	@Temperature 73.4 °F, Time 22.0 hour	
Clash Berg Modulus	1.10 GPa	160 ksi	ASTM D1043
	0.310 GPa	45.0 ksi	ASTM D1043
	@Temperature 2.00 °C	@Temperature 35.6 °F	

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-3.33 °C	26.0 °F	ASTM D746

Processing Properties	Metric	English	Comments
Melt Temperature	179 - 185 °C	354 - 365 °F	
	193 - 204 °C	379 - 399 °F	

Descriptive Properties	Value	Comments
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Agency Ratings Descriptive Properties	NSF 51 Value	BLACK 2999. Max. Temp. of use = 100 degrees F. 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	
Uses	Construction Applications	
	Fencing & Decking	

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