

PolyOne Geon™ Vinyl Flexible B4D01 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-B4D01-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.27 g/cc	1.27 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	38	38	15 sec; ASTM D2240
	53	53	ASTM D2240
Tensile Strength at Break	20.7 MPa	3000 psi	510 mm/min; ASTM D638
Tensile Strength	13.8 MPa @Strain 100 %	2000 psi @Strain 100 %	510 mm/min; ASTM D638
Elongation at Break	340 %	340 %	510 mm/min; ASTM D638
Tear Strength	91.1 kN/m	520 pli	Die C, 510 mm/min; ASTM D624
Compression Set	45 % @Temperature 23.0 °C, Time 79200 sec	45 % @Temperature 73.4 °F, Time 22.0 hour	ASTM D395
Clash Berg Modulus	0.310 GPa @Temperature -22.0 °C	45.0 ksi @Temperature -7.60 °F	ASTM D1043
	0.614 GPa @Temperature -35.0 °C	89.1 ksi @Temperature -31.0 °F	ASTM D1043

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-27.0 °C	-16.6 °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
Appearance	Opaque	
Features	High 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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