

PolyOne Geon™ Vinyl Flexible B6DT0 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-B6DT0-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.38 g/cc	1.38 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	57	57	ASTM D2240
Tensile Strength at Break	20.7 MPa	3000 psi	510 mm/min; ASTM D638
Tensile Strength	15.9 MPa @Strain 100 %	2310 psi @Strain 100 %	510 mm/min; ASTM D638
Elongation at Break	240 %	240 %	510 mm/min; ASTM D638
Tear Strength	105 kN/m	599 pli	Die C, 510 mm/min; ASTM D624
Clash Berg Modulus	0.149 GPa	21.6 ksi	ASTM D1043
	0.310 GPa @Temperature -36.0 °C	45.0 ksi @Temperature -32.8 °F	ASTM D1043

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-42.8 °C	-45.0 °F	ASTM D746

Processing Properties	Metric	English	Comments
Melt Temperature	174 - 179 °C	345 - 354 °F	
	193 - 204 °C	379 - 399 °F	

Descriptive Properties	Value	Comments
Features	Medium Gloss	
Forms	Pellets	
Generic Material	PVC, Flexible	

Descriptive Properties	Value	Comments
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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