

PolyOne Geon™ Vinyl Flexible B7500 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-B7500-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	0.017 - 0.021 cm/cm	0.017 - 0.021 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	66	66	15 sec; ASTM D2240
	75	75	ASTM D2240
Tensile Strength at Break	12.4 MPa	1800 psi	510 mm/min; ASTM D638
Tensile Strength	5.10 MPa	740 psi	510 mm/min; ASTM D638
	@Strain 100 %	@Strain 100 %	
Elongation at Break	420 %	420 %	510 mm/min; ASTM D638
Tear Strength	47.3 kN/m	270 pli	Die C, 510 mm/min; ASTM D624
Compression Set	23 %	23 %	ASTM D395
	@Temperature 23.0 °C, Time 79200 sec	@Temperature 73.4 °F, Time 22.0 hour	
Clash Berg Modulus	0.124 GPa	18.0 ksi	ASTM D1043
	0.310 GPa	45.0 ksi	ASTM D1043
	@Temperature -43.0 °C	@Temperature -45.4 °F	

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-43.9 °C	-47.0 °F	ASTM D746
Flammability, UL94	HB	HB	ALL; UL 94
	@Thickness 1.50 mm	@Thickness 0.0591 in	

Processing Properties	Metric	English	Comments
Melt Temperature	174 - 179 °C	345 - 354 °F	

Processing Properties	Metric152.304°C	English272.139°F	Comments
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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