

PolyOne Geon™ Vinyl Flexible B550B 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-B550B-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.22 g/cc	1.22 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.023 - 0.027 cm/cm	0.023 - 0.027 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	48	48	15 sec; ASTM D2240
	55	55	ASTM D2240
Tensile Strength at Break	7.58 MPa	1100 psi	510 mm/min; ASTM D638
Tensile Strength	2.62 MPa @Strain 100 %	380 psi @Strain 100 %	510 mm/min; ASTM D638
Elongation at Break	460 %	460 %	510 mm/min; ASTM D638
Tear Strength	31.5 kN/m	180 pli	Die C, 510 mm/min; ASTM D624
Compression Set	17 % @Temperature 23.0 °C, Time 79200 sec	17 % @Temperature 73.4 °F, Time 22.0 hour	ASTM D395
Clash Berg Modulus	0.0131 GPa	1.90 ksi	ASTM D1043
	0.310 GPa @Temperature -59.0 °C	45.0 ksi @Temperature -74.2 °F	ASTM D1043

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-55.0 °C	-67.0 °F	ASTM D746

Processing Properties	Metric	English	Comments
Melt Temperature	160 - 166 °C	320 - 331 °F	
	182 - 199 °C	360 - 390 °F	

Descriptive Properties	Value	Comments
Additive	Biocide	
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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