

PolyOne Geon™ Vinyl Flexible B65B0 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-B65B0-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	0.019 - 0.023 cm/cm	0.019 - 0.023 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	55	55	15 sec; ASTM D2240
	65	65	ASTM D2240
Tensile Strength at Break	9.65 MPa	1400 psi	510 mm/min; ASTM D638
Tensile Strength	3.45 MPa @Strain 100 %	500 psi @Strain 100 %	510 mm/min; ASTM D638
Elongation at Break	440 %	440 %	510 mm/min; ASTM D638
Tear Strength	36.8 kN/m	210 pli	Die C, 510 mm/min; ASTM D624
Compression Set	21 % @Temperature 23.0 °C, Time 79200 sec	21 % @Temperature 73.4 °F, Time 22.0 hour	ASTM D395
Clash Berg Modulus	0.0290 GPa	4.21 ksi	ASTM D1043
	0.310 GPa @Temperature -53.0 °C	45.0 ksi @Temperature -63.4 °F	ASTM D1043

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-48.9 °C	-56.0 °F	ASTM D746

Processing Properties	Metric	English	Comments
Melt Temperature	168 - 174 °C	334 - 345 °F	
	188 - 199 °C	370 - 390 °F	

Descriptive Properties	Value	Comments
Additive	Biocide	
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	

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