

PolyOne Geon™ Vinyl Flexible B65F1 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-B65F1-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.24 g/cc	1.24 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	57	57	15 sec; ASTM D2240
	65	65	ASTM D2240
Tensile Strength at Break	10.3 MPa	1490 psi	510 mm/min; ASTM D638
Tensile Strength	3.62 MPa @Strain 100 %	525 psi @Strain 100 %	510 mm/min; ASTM D638
Elongation at Break	460 %	460 %	510 mm/min; ASTM D638
Tear Strength	38.5 kN/m	220 pli	Die C, 510 mm/min; ASTM D624
Compression Set	22 % @Temperature 23.0 °C, Time 79200 sec	22 % @Temperature 73.4 °F, Time 22.0 hour	ASTM D395
Clash Berg Modulus	0.0241 GPa	3.50 ksi	ASTM D1043
	0.310 GPa @Temperature -55.0 °C	45.0 ksi @Temperature -67.0 °F	ASTM D1043

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-51.1 °C	-60.0 °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
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Features Descriptive Properties	Flame Retardant Value	Comments
	Good Melt Strength	
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	Construction Applications	

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