

PolyOne Geon™ Vinyl Flexible B65U0 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-B65U0-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.24 g/cc	1.24 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	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	525 psi	510 mm/min; ASTM D638
	@Strain 100 %	@Strain 100 %	
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 %	22 %	ASTM D395
	@Temperature 23.0 °C, Time 79200 sec	@Temperature 73.4 °F, Time 22.0 hour	
Clash Berg Modulus	0.0241 GPa	3.50 ksi	ASTM D1043
	0.310 GPa	45.0 ksi	ASTM D1043
	@Temperature -55.0 °C	@Temperature -67.0 °F	

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
Additive	UV Stabilizer	
Appearance	Opaque	
Features	Medium Gloss	
	UV Absorbing	
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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