

PolyOne Geon™ Vinyl Flexible C6500 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-C6500-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.34 g/cc	1.34 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	58	58	15 sec; ASTM D2240
	65	65	ASTM D2240
Tensile Strength at Break	8.14 MPa	1180 psi	510 mm/min; ASTM D638
Tensile Strength	3.10 MPa	450 psi	510 mm/min; ASTM D638
	@Strain 100 %	@Strain 100 %	
Elongation at Break	420 %	420 %	510 mm/min; ASTM D638
Tear Strength	33.3 kN/m	190 pli	Die C, 510 mm/min; ASTM D624
Compression Set	19 %	19 %	ASTM D395
	@Temperature 23.0 °C, Time 79200 sec	@Temperature 73.4 °F, Time 22.0 hour	
Clash Berg Modulus	0.0331 GPa	4.80 ksi	ASTM D1043
	0.310 GPa	45.0 ksi	ASTM D1043
@Temperature -52.0 °C	@Temperature -61.6 °F		

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-46.7 °C	-52.1 °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	General Purpose Value	Comments
	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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