

PolyOne Geon™ Vinyl Flexible C8500 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-C8500-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.42 g/cc	1.42 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	78	78	15 sec; ASTM D2240
	85	85	ASTM D2240
Tensile Strength at Break	13.1 MPa	1900 psi	510 mm/min; ASTM D638
Tensile Strength	7.24 MPa	1050 psi	510 mm/min; ASTM D638
	@Strain 100 %	@Strain 100 %	
Elongation at Break	360 %	360 %	510 mm/min; ASTM D638
Tear Strength	56.0 kN/m	320 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	0.341 GPa	49.5 ksi	ASTM D1043
	0.310 GPa	45.0 ksi	ASTM D1043
	@Temperature -34.0 °C	@Temperature -29.2 °F	

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-31.1 °C	-24.0 °F	ASTM D746

Processing Properties	Metric	English	Comments
Melt Temperature	174 - 179 °C	345 - 354 °F	
	193 - 204 °C	379 - 399 °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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