

PolyOne Geon™ Vinyl Flexible C8000 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-C8000-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.40 g/cc	1.40 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.017 - 0.021 cm/cm	0.017 - 0.021 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	72	72	15 sec; ASTM D2240
	80	80	ASTM D2240
Tensile Strength at Break	11.7 MPa	1700 psi	510 mm/min; ASTM D638
Tensile Strength	5.86 MPa @Strain 100 %	850 psi @Strain 100 %	510 mm/min; ASTM D638
Elongation at Break	380 %	380 %	510 mm/min; ASTM D638
Tear Strength	43.8 kN/m	250 pli	Die C, 510 mm/min; ASTM D624
Compression Set	23 % @Temperature 23.0 °C, Time 79200 sec	23 % @Temperature 73.4 °F, Time 22.0 hour	ASTM D395
Clash Berg Modulus	0.207 GPa	30.0 ksi	ASTM D1043
	0.310 GPa @Temperature -39.0 °C	45.0 ksi @Temperature -38.2 °F	ASTM D1043

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-37.8 °C	-36.0 °F	ASTM D746
Flammability, UL94	HB	HB	UL 94

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

Processing Properties	Metric	English	Comments
Descriptive Properties	Value	Comments	
Agency Ratings	NSF 51		NATURAL, WHITE 1000, BLACK 2999. Max. Temp. of use = 100 degrees F.
Features	General Purpose		
	Medium Gloss		
Forms	Pellets		
Generic Material	PVC, Flexible		
Generic Name	Polyvinyl Chloride, Flexible (PVC, Flexible)		
Processing Method	Coextrusion		
	Extrusion		
	Injection Molding		
Regional Availability	Africa & Middle East		
	Asia Pacific		
	Europe		
	North America		
	South America		
Uses	General Purpose		
	Seals		
	Weatherstripping		

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