

PolyOne Geon™ Vinyl Flexible C7000 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-C7000-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.39 g/cc	1.39 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	64	64	15 sec; ASTM D2240
	70	70	ASTM D2240
Tensile Strength at Break	10.1 MPa	1460 psi	510 mm/min; ASTM D638
Tensile Strength	4.34 MPa	629 psi	510 mm/min; ASTM D638
	@Strain 100 %	@Strain 100 %	
Elongation at Break	390 %	390 %	510 mm/min; ASTM D638
Tear Strength	35.0 kN/m	200 pli	Die C, 510 mm/min; ASTM D624
Compression Set	20 %	20 %	ASTM D395
	@Temperature 23.0 °C, Time 79200 sec	@Temperature 73.4 °F, Time 22.0 hour	
Clash Berg Modulus	0.0814 GPa	11.8 ksi	ASTM D1043
	0.310 GPa	45.0 ksi	ASTM D1043
	@Temperature -46.0 °C	@Temperature -50.8 °F	

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-42.2 °C	-44.0 °F	ASTM D746
Flammability, UL94	HB	HB	UL 94

Processing Properties	Metric	English	Comments
Melt Temperature	171 - 177 °C	340 - 351 °F	
	193 - 199 °C	379 - 390 °F	

Descriptive Properties	Value	Comments
Agency Ratings	NSF 51	NATURAL,BLACK 2999, WHITE 1300, WHITE 1380, BLUE 4060, GRAY 2000, GRAY 2600, GRAY 2604. 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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