

PolyOne Geon™ Vinyl Flexible D7000 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-D7000-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.49 g/cc	1.49 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	61	61	15 sec; ASTM D2240
	70	70	ASTM D2240
Tensile Strength at Break	5.86 MPa	850 psi	510 mm/min; ASTM D638
Tensile Strength	3.45 MPa	500 psi	510 mm/min; ASTM D638
	@Strain 100 %	@Strain 100 %	
Elongation at Break	350 %	350 %	510 mm/min; ASTM D638
Tear Strength	26.3 kN/m	150 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	0.0434 GPa	6.29 ksi	ASTM D1043
	0.310 GPa	45.0 ksi	ASTM D1043
	@Temperature -23.0 °C	@Temperature -9.40 °F	

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-37.8 °C	-36.0 °F	ASTM D746

Processing Properties	Metric	English	Comments
Melt Temperature	171 - 177 °C	340 - 351 °F	

Descriptive Properties	Value	Comments
Features	Low Gloss	

Forms Descriptive Properties	Pellets Value	Comments
Generic Material	PVC, Flexible	
Generic Name	Polyvinyl Chloride, Flexible (PVC, Flexible)	
Processing Method	Extrusion	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	

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