

PolyOne Geon™ Vinyl Flexible C8002 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-C8002-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.40 g/cc	1.40 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	73	73	15 sec; ASTM D2240
	80	80	ASTM D2240
Tensile Strength at Break	12.1 MPa	1750 psi	Type IV, 510 mm/min; ASTM D638
Tensile Strength	6.21 MPa	901 psi	Type IV, 510 mm/min; ASTM D638
	@Strain 100 %	@Strain 100 %	
Elongation at Break	280 %	280 %	Type IV, 510 mm/min; ASTM D638
Tear Strength	43.8 kN/m	250 pli	Die C, 510 mm/min; ASTM D624

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-25.0 °C	-13.0 °F	ASTM D746

Processing Properties	Metric	English	Comments
Melt Temperature	174 - 179 °C	345 - 354 °F	

Descriptive Properties	Value	Comments
Features	General Purpose	
	Medium Gloss	
Forms	Pellets	
Generic Material	PVC, Flexible	
Generic Name	Polyvinyl Chloride, Flexible (PVC, Flexible)	
Processing Method	Profile Extrusion	

Regional Availability Descriptive Properties	Africa & Middle East Value	Comments
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	General Purpose	
	Hose	
	Tubing	

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