

PolyOne Geon™ Vinyl Flexible D8500 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-D8500-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.47 g/cc	1.47 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	11.7 MPa	1700 psi	510 mm/min; ASTM D638
Tensile Strength	9.65 MPa	1400 psi	510 mm/min; ASTM D638
	@Strain 100 %	@Strain 100 %	
Elongation at Break	260 %	260 %	510 mm/min; ASTM D638
Tear Strength	59.5 kN/m	340 pli	Die C, 510 mm/min; ASTM D624
Compression Set	40 %	40 %	ASTM D395
	@Temperature 23.0 °C, Time 79200 sec	@Temperature 73.4 °F, Time 22.0 hour	

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-26.1 °C	-15.0 °F	ASTM D746

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

Descriptive Properties	Value	Comments
Features	Low Gloss	
Forms	Pellets	
Generic Material	PVC, Flexible	
Generic Name	Polyvinyl Chloride, Flexible (PVC, Flexible)	

Processing Method Descriptive Properties	Extrusion Value	Comments
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	

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