

PolyOne Geon™ Vinyl Flexible 86280 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-86280-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.14 g/cc	1.14 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	55	55	ASTM D2240
Tensile Stress	3.79 MPa @Strain 100 %	550 psi @Strain 100 %	510 mm/min; ASTM D412A
Tensile Strength, Yield	9.31 MPa	1350 psi	510 mm/min; ASTM D412A
Elongation at Break	390 %	390 %	510 mm/min; ASTM D412A
Tear Strength	22.8 kN/m	130 pli	Die C, 2 in/min; ASTM D1004
Compression Set	10 % @Temperature 23.0 °C, Time 79200 sec	10 % @Temperature 73.4 °F, Time 22.0 hour	ASTM D395
Clash Berg Modulus	0.0372 GPa @Temperature -35.0 °C	5.40 ksi @Temperature -31.0 °F	ASTM D1043

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-47.2 °C	-53.0 °F	ASTM D746

Processing Properties	Metric	English	Comments
Melt Temperature	168 - 174 °C	334 - 345 °F	
	177 - 193 °C	351 - 379 °F	

Descriptive Properties	Value	Comments
Features	Low Gloss	
Forms	Pellets	

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

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