

## PolyOne Geon™ Vinyl Flexible D80M0 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-D80M0-Polyvinyl-Chloride-Flexible-PVC-Flexible.php](http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Flexible-D80M0-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	68	68	15 sec; ASTM D2240
	78	78	ASTM D2240
Tensile Strength at Break	10.3 MPa	1490 psi	510 mm/min; ASTM D638
Tensile Strength	5.72 MPa	830 psi	510 mm/min; ASTM D638
	@Strain 100 %	@Strain 100 %	
Elongation at Break	360 %	360 %	510 mm/min; ASTM D638
Tear Strength	47.3 kN/m	270 pli	Die C, 510 mm/min; ASTM D624
Compression Set	25 %	25 %	ASTM D395
	@Temperature 23.0 °C, Time 79200 sec	@Temperature 73.4 °F, Time 22.0 hour	
Clash Berg Modulus	1.01 GPa	146 ksi	ASTM D1043
	0.310 GPa	45.0 ksi	ASTM D1043
	@Temperature -22.0 °C	@Temperature -7.60 °F	

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-18.3 °C	-0.940 °F	ASTM D746

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

Descriptive Properties	Value	Comments
Features	Low to No Migration	

Descriptive Properties	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	
Uses	Appliance Components	
	Appliances	
	Gaskets	

## Contact Songhan Plastic Technology Co.,Ltd.

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