

## PolyOne Geon™ Vinyl Flexible XV3683 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-XV3683-Polyvinyl-Chloride-Flexible-PVC-Flexible.php](http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Flexible-XV3683-Polyvinyl-Chloride-Flexible-PVC-Flexible.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.38 g/cc	1.38 g/cc	ASTM D792
Volatiles	0.20 % @Thickness 1.91 mm, Temperature 105 °C	0.20 % @Thickness 0.0752 in, Temperature 221 °F	Loss; Method A; ASTM D1203B

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	77	77	15 sec; ASTM D2240
Tensile Strength at Break	12.3 MPa	1780 psi	Type IV, 510 mm/min; ASTM D638
Tensile Strength	6.55 MPa @Strain 100 %	950 psi @Strain 100 %	Type IV, 510 mm/min; ASTM D638
Elongation at Break	400 %	400 %	Type IV, 510 mm/min; ASTM D638
Tear Strength	109 kN/m	622 pli	Die C, 510 mm/min; ASTM D624

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-33.9 °C	-29.0 °F	ASTM D746

Processing Properties	Metric	English	Comments
Melt Temperature	177 - 182 °C	351 - 360 °F	
	193 - 199 °C	379 - 390 °F	

Descriptive Properties	Value	Comments
Features	Good Abrasion Resistance	
Forms	Pellets	
Generic Material	PVC, Flexible	
Generic Name		

Descriptive Properties	Polyvinyl Chloride, Flexible (PVC, Flexible) Value	Comments
Processing Method	Extrusion	
	Injection Molding	
	Profile Extrusion	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Gaskets	
	Hose	
	Profiles	
	Seals	
	Tubing	

## Contact Songhan Plastic Technology Co.,Ltd.

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