

## PolyOne Geon™ Vinyl Flexible C70U0 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-C70U0-Polyvinyl-Chloride-Flexible-PVC-Flexible.php](http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Flexible-C70U0-Polyvinyl-Chloride-Flexible-PVC-Flexible.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.39 g/cc	1.39 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	64	64	15 sec; ASTM D2240
	70	70	ASTM D2240
Tensile Strength at Break	10.1 MPa	1460 psi	510 mm/min; ASTM D638
Tensile Strength	4.34 MPa @Strain 100 %	629 psi @Strain 100 %	510 mm/min; ASTM D638
Elongation at Break	390 %	390 %	510 mm/min; ASTM D638
Tear Strength	35.0 kN/m	200 pli	Die C, 510 mm/min; ASTM D624
Compression Set	20 % @Temperature 23.0 °C, Time 79200 sec	20 % @Temperature 73.4 °F, Time 22.0 hour	ASTM D395
Clash Berg Modulus	0.0814 GPa	11.8 ksi	ASTM D1043
	0.310 GPa @Temperature -46.0 °C	45.0 ksi @Temperature -50.8 °F	ASTM D1043

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-42.2 °C	-44.0 °F	ASTM D746

Processing Properties	Metric	English	Comments
Melt Temperature	171 - 177 °C	340 - 351 °F	
	193 - 199 °C	379 - 390 °F	

Descriptive Properties	Value	Comments
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<b>Additive</b> Descriptive Properties	<b>UV Stabilizer</b> Value	Comments
Features	Medium Gloss	
Forms	Pellets	
Generic Material	PVC, Flexible	
Generic Name	Polyvinyl Chloride, Flexible (PVC, Flexible)	
Processing Method	Coextrusion	
	Extrusion	
	Injection Molding	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	

## Contact Songhan Plastic Technology Co.,Ltd.

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