

## PolyOne Geon™ Vinyl Flexible C90A0 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-C90A0-Polyvinyl-Chloride-Flexible-PVC-Flexible.php](http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Flexible-C90A0-Polyvinyl-Chloride-Flexible-PVC-Flexible.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.43 g/cc	1.43 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	86	86	15 sec; ASTM D2240
	90	90	ASTM D2240
Tensile Strength at Break	15.9 MPa	2310 psi	510 mm/min; ASTM D638
Tensile Strength	8.96 MPa @Strain 100 %	1300 psi @Strain 100 %	510 mm/min; ASTM D638
Elongation at Break	270 %	270 %	510 mm/min; ASTM D638
Tear Strength	64.8 kN/m	370 pli	Die C, 510 mm/min; ASTM D624
Compression Set	40 % @Temperature 23.0 °C, Time 79200 sec	40 % @Temperature 73.4 °F, Time 22.0 hour	ASTM D395
Clash Berg Modulus	0.386 GPa	56.0 ksi	ASTM D1043
	0.310 GPa @Temperature -36.0 °C	45.0 ksi @Temperature -32.8 °F	ASTM D1043

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-30.0 °C	-22.0 °F	ASTM D746

Processing Properties	Metric	English	Comments
Melt Temperature	177 - 182 °C	351 - 360 °F	

Descriptive Properties	Value	Comments
Features	Good Adhesion	

<b>Forms</b> Descriptive Properties	<b>Pellets</b> Value	Comments
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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