

## PolyOne Geon™ Vinyl Flexible XV3645 Polyvinyl Chloride, Flexible (PVC, Flexible)

Category : Polymer , Thermoplastic , Vinyl (PVC)

### Material Notes:

NOTE: All ingredients used in the formulation of this compound are listed in the United States FDA Code of Federal Regulations, Title 21.

The only restriction is that the plasticizer is For foods of high water content only. This statement is only an overview of the FDA listings for this product. It is the customer's responsibility to ensure that the compound is suitable for its intended application. This compound complies with USP XXII, Supplement 4, Class 6 requirements when pigmented to either Clear 20 or Clear 1510. Information provided by PolyOne

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Geon-Vinyl-Flexible-XV3645-Polyvinyl-Chloride-Flexible-PVC-Flexible.php](http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Flexible-XV3645-Polyvinyl-Chloride-Flexible-PVC-Flexible.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.22 g/cc	1.22 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	78	78	10 sec; ASTM D2240
Tensile Strength at Break	17.2 MPa	2490 psi	ASTM D412
Tensile Stress	10.3 MPa @Strain 100 %	1490 psi @Strain 100 %	ASTM D412
Elongation at Break	350 %	350 %	ASTM D412

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-38.3 °C	-36.9 °F	ASTM D746

Descriptive Properties	Value	Comments
Agency Ratings	FDA Food Contact, Unspecified Rating	
Appearance	Clear/Transparent	
Features	Food Contact Acceptable	
Forms	Pellets	
Generic Material	PVC, Flexible	
Generic Name	Polyvinyl Chloride, Flexible (PVC, Flexible)	
Processing Method	Extrusion	

Descriptive Properties	Injection Molding Value	Comments
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Hose	
	Tubing	

## Contact Songhan Plastic Technology Co.,Ltd.

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