

PolyOne Geon™ Vinyl Flexible XV3919 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. Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Flexible-XV3919-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.27 g/cc	1.27 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	86	86	15 sec; ASTM D2240
	93	93	ASTM D2240
Hardness, Shore D	33	33	15 sec; ASTM D2240
	48	48	ASTM D2240
Tensile Strength at Break	19.0 MPa	2760 psi	510 mm/min; ASTM D638
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Elongation at Break	310 %	310 %	510 mm/min; ASTM D638
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Tensile Modulus	0.0121 GPa	1.75 ksi	510 mm/min 100% Secant; ASTM D638
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-19.4 °C	-2.92 °F	ASTM D746

Descriptive Properties	Value	Comments
Agency Ratings	FDA Food Contact, Unspecified Rating	
Features	Good Chemical Resistance	
Forms	Pellets	

Generic Material Descriptive Properties	PVC Flexible Value	Comments
Generic Name	Polyvinyl Chloride, Flexible (PVC, Flexible)	
Processing Method	Extrusion	
	Injection Molding	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	

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