

PolyOne Geon™ Vinyl Flexible XV3816 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 has obtained conformance to Cytotoxicity tests under ISO 10993-5 GUIDELINES when combined to Clear 1756 pigmentation. Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Flexible-XV3816-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	18.0 MPa	2610 psi	Type IV, 510 mm/min; ASTM D638
Tensile Strength	7.72 MPa @Strain 100 %	1120 psi @Strain 100 %	Type IV, 510 mm/min; ASTM D638
Elongation at Break	430 %	430 %	Type IV, 510 mm/min; ASTM D638

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-48.3 °C	-54.9 °F	ASTM D746

Descriptive Properties	Value	Comments
Agency Ratings	CPSIA Compliant	
	FDA Food Contact, Unspecified Rating	
	FDA Unspecified Rating	
	ISO 10993 Part 5	
	USP Class VI	
Appearance	Clear/Transparent	
Features	Food Contact Acceptable	

Descriptive Properties	Non-Phthalate Plasticizer Value	Comments
Forms	Pellets	
Generic Material	PVC, Flexible	
Generic Name	Polyvinyl Chloride, Flexible (PVC, Flexible)	
Processing Method	Extrusion	
	Injection Molding	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Medical Appliances	

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