

PolyOne Geon™ HC 3180G Polyvinyl Chloride, Flexible (PVC, Flexible)

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Geon HC 3180G is a non-phthalate, gamma-stable flexible vinyl compound made from FDA sanctioned ingredients. HC 3180G can be used for extrusion and injection molding healthcare applications. This product, with color designation as Clear 9883, has obtained Certification under Class VI U.S. Pharmacopeia for systemic toxicity and intractaneus studies. 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 product is not recommended for long-term storage of blood or blood components. Please contact PolyOne for more information. Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Geon-HC-3180G-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.23 g/cc	1.23 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	15 sec; ASTM D2240
Tensile Strength at Break	18.6 MPa	2700 psi	Type IV, 510 mm/min; ASTM D638
Tensile Strength	7.86 MPa @Strain 100 %	1140 psi @Strain 100 %	Type IV, 510 mm/min; ASTM D638
Elongation at Break	440 %	440 %	Type IV, 510 mm/min; ASTM D638

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-25.0 °C	-13.0 °F	ASTM D746

Descriptive Properties	Value	Comments
Agency Ratings	FDA Unspecified Rating	
Appearance	Clear - Blue Tint	
Features	BPA Free	
	Ethylene Oxide Sterilizable	
	Good Processability	
	High Clarity	
	Non-Phthalate Plasticizer	

Descriptive Properties	Value Radiation (Gamma) Resistant	Comments
	Radiation Sterilizable	
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	Connectors	
	Disposable Hospital Goods	
	Hospital Goods	
	Medical Appliances	
	Medical/Healthcare Applications	
	Personal Care	
	Tubing	

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