

PolyOne Geon™ HC 2175 Polyvinyl Chloride, Flexible (PVC, Flexible)

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Geon HC 2175 is a 75 Shore A non-phthalate flexible vinyl compound made from FDA sanctioned ingredients. HC 2175 can be used for extrusion and injection molding healthcare applications. 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-2175-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.24 g/cc	1.24 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	75	75	15 sec; ASTM D2240
Tensile Strength at Break	17.2 MPa	2490 psi	Type IV, 510 mm/min; ASTM D638
Tensile Strength	6.55 MPa @Strain 100 %	950 psi @Strain 100 %	Type IV, 510 mm/min; ASTM D638
Elongation at Break	460 %	460 %	Type IV, 510 mm/min; ASTM D638

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-28.9 °C	-20.0 °F	ASTM D746

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

Forms Descriptive Properties	Pellets Value	Comments
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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