

# Geon™ HC 3180G

Flexible Polyvinyl Chloride

PolyOne Corporation

## Message:

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.

General Information	
Features	Non-phthalate plasticizer
	Radiation disinfection
	Ethylene oxide disinfection
	Anti-gamma radiation
	Workability, good
	Definition, high
	BPA-free
Uses	Disposable Hospital Goods
	Personal care
	Pipe fittings
	Connector
	Medical/nursing supplies
	Medical equipment
	Medical devices
Agency Ratings	FDA not rated
Appearance	Transparent-Light Blue
Forms	Particle
Processing Method	Extrusion
	Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.23	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	80		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup>			ASTM D638
Fracture	18.6	MPa	ASTM D638
100% strain	7.86	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	440	%	ASTM D638

Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-25.0	°C	ASTM D746
Additional Information			

注释:本化合物配方中所用的全部成分均在美国食品及药物管理局《联邦法规法典》第21章中列出.唯一的限制是,增塑剂“仅用于高含水量食物”.本说明仅为食品及药物管理局清单关于该产品内容的概述.由用户负责确保此化合物适用于其预期应用.

#### NOTE

1. Type 4, 510mm/min
2. Type 4, 510mm/min

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