

Geon™ HC 2180G

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon HC 2180G is a 80 Shore A non-phthalate, gamma-stable flexible vinyl compound made from FDA sanctioned ingredients. HC 2180G can be used for extrusion and injection molding healthcare applications.

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	1.26	g/cm ³	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 ¹			ASTM D638
Fracture	18.6	MPa	ASTM D638
100% strain	7.86	MPa	ASTM D638
Tensile Elongation ² (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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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
 Phone: +86 13424755533
 Email: sales@su-jiao.com
 No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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