

# Geon™ BIO HC5175G

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

A flexible vinyl formulated to achieve a minimum level of 25% bio-based content and classified as a PolyOne Sustainable Solution

General Information			
Features	Non-Phthalate Plasticizer		
	Renewable Resource Content		
Uses	Connectors		
	Medical/Healthcare Applications		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	75		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup>			ASTM D638
Break	12.4	MPa	
100% Strain	4.55	MPa	
Tensile Elongation <sup>2</sup> (Break)	370	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-30.6	°C	ASTM D746
Injection	Nominal Value	Unit	Test Method
Processing (Melt) Temp	188 to 193	°C	
Extrusion	Nominal Value	Unit	Test Method
Melt Temperature	182 to 188	°C	
NOTE			
1.	510 mm/min		
2.	510 mm/min		

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Recommended distributors for this material

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