

Geon™ BIO HC5155

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	1.16	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	55		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Break	8.62	MPa	
100% Strain	3.31	MPa	
Tensile Elongation ² (Break)	400	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-34.4	°C	ASTM D746
Injection	Nominal Value	Unit	
Processing (Melt) Temp	177 to 182	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	171 to 177	°C	

NOTE	
1.	510 mm/min
2.	510 mm/min

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