

Geon™ BIO RC7000

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	Building Materials
	Consumer Applications
	Industrial Applications
Forms	Pellets
Processing Method	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.37	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	73		
Shore A, 15 sec	64		

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Break	11.1	MPa	
100% Strain	4.39	MPa	
Tensile Elongation ² (Break)	420	%	ASTM D638

Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-33.6	°C	ASTM D746
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	21	%	ASTM D2863

Injection	Nominal Value	Unit
Processing (Melt) Temp	188 to 199	°C
Extrusion	Nominal Value	Unit
Melt Temperature	171 to 182	°C

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

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