

Geon™ BIO RA551S

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

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

General Information			
Features	Expandable		
	Non-Phthalate Plasticizer		
Uses	Footwear		
	Sporting Goods		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			ASTM D792
-- ¹	0.758	g/cm ³	
-- ²	1.10	g/cm ³	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness ³ (Shore A, 15 sec)	50		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Break	7.58	MPa	
100% Strain	3.10	MPa	
Tensile Elongation (Break)	410	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature ⁴	-45.0	°C	ASTM D746
Injection	Nominal Value	Unit	
Processing (Melt) Temp	166 to 171	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	160 to 166	°C	
NOTE			
1.	Blown test specimen(24 hrs. @ 90C.)		
2.	Solid test specimen		
3.	Solid test specimen.		
4.	Solid test specimen		

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