

Geon™ Vinyl Cellular E8202

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

All physicals were measured on an actual extruded part of a shutter profile.High rate inward foam applications.Density range .55-.70.

General Information			
Features	Foamable		
Uses	Building Materials		
	Outdoor Applications		
Forms	Cellular		
	Powder		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.707	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	75		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	1260	MPa	ASTM D638
Tensile Elongation ² (Break)	2500	%	ASTM D638
Flexural Modulus	1810	MPa	ASTM D790
Flexural Strength	33.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm, Compression Molded)	43	J/m	ASTM D256A
Drop Impact Resistance			ASTM D4226
23°C ³	20.9	J/cm	
23°C ⁴	178	J/cm	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm)	62.0	°C	ASTM D648
CLTE - Flow	5.0E-5	cm/cm/°C	ASTM D696
Extrusion	Nominal Value	Unit	
Melt Temperature	182 to 191	°C	
NOTE			
1.	Type I, 5.1 mm/min		
2.	Type I, 5.1 mm/min		
3.	Procedure A, C.125 Dart		
4.	Procedure B, C.125 Dart		

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