

Geon™ Vinyl Rigid Extrusion L7007

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Geon L7007 is recommended for whites and light pastel colors only. Not recommended for horizontal applications such as railing and decking except in white.

General Information			
Features	Gloss, Medium		
	Impact resistance, good		
	Good weather resistance		
Uses	Doors and Windows		
	Outdoor application		
	Profile		
Forms	Cube		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.46	g/cm ³	ASTM D792
PVC Cell Classification	1-42434-33		ASTM D4216
PVC Cell Classification	15354		ASTM D1784
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	80		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2850	MPa	ASTM D638
Tensile Strength ² (Yield)	43.2	MPa	ASTM D638
Flexural Modulus	2960	MPa	ASTM D790
Flexural Strength	84.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm, Compression Molded)	590	J/m	ASTM D256A
Drop Impact Resistance			ASTM D4226
23°C ³	73.4	J/cm	ASTM D4226
23°C ⁴	178	J/cm	ASTM D4226
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, annealed, 3.18mm ⁵	73.9	°C	ASTM D648
1.8 MPa, annealed, 3.18mm, molded ⁶	71.1	°C	ASTM D648
1.8 MPa, annealed, 3.18mm, molded ⁷	74.4	°C	ASTM D648
CLTE - Flow	6.4E-5	cm/cm/°C	ASTM D696

Additional Information		Nominal Value
Ease of Sizing		Acceptable
注释:物理属性基于L7005 tan 3210 样品.		
Extrusion	Nominal Value	Unit
Melt Temperature	182 - 193	°C
NOTE		
1.	Type 1, 5.1 mm/min	
2.	Type 1, 5.1 mm/min	
3.	Procedure A, C.125 Throwing	
4.	Procedure B, C.125 Throwing	
5.	Annealed at 50 deg.C	
6.	Annealed at 50 deg.C	
7.	Annealed at 60 deg.C	

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