

Geon™ Bold L5000

Polyvinyl Chloride Alloy

PolyOne Corporation

Message:

PVC alloy for dark color capstock, profiles or sheet requiring good weathering in both horizontal and vertical applications. Comes in high gloss but may be customized for an application.

General Information			
Features	Highlight		
	Good chemical resistance		
	Good weather resistance		
Uses	Decorative Railing		
	Architectural application field		
	Doors and Windows		
	Sheet		
	Tread rubber		
	Profile		
Forms	Cube		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.39	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	77		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2260	MPa	ASTM D638
Tensile Strength ² (Yield)	43.9	MPa	ASTM D638
Flexural Modulus	2490	MPa	ASTM D790
Flexural Strength	76.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm, Compression Molded)	100	J/m	ASTM D256A
Drop Impact Resistance			ASTM D4226
23°C ³	72.5	J/cm	ASTM D4226
23°C ⁴	> 178	J/cm	ASTM D4226
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load ⁵			ASTM D648
0.45 MPa, annealed, 3.18mm	71.0	°C	ASTM D648
1.8 MPa, annealed	69.3	°C	ASTM D648
CLTE - Flow	6.8E-5	cm/cm/°C	ASTM D696

Additional Information

注释:物理属性基于L7005 tan 3210 样品.

Extrusion	Nominal Value	Unit
Melt Temperature	182 - 193	°C
Extrusion instructions		
Melt flow and downstream calibration similar to standard rigid PVC. Wider processing window allows sheet extrusion.		
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.	Conditioned at 50 deg.C	

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