

Geon™ Vinyl Rigid Extrusion L7035

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Geon L7035 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	Good weather resistance		
	Medium impact resistance		
Uses	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	15354		ASTM D1784
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	79		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2970	MPa	ASTM D638
Tensile Strength ² (Yield)	44.8	MPa	ASTM D638
Flexural Modulus	3290	MPa	ASTM D790
Flexural Strength	84.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256A
23°C, 3.18mm, molded ³	130	J/m	ASTM D256A
23°C, 3.18mm, molded ⁴	570 - 810	J/m	ASTM D256A
Drop Impact Resistance			ASTM D4226
23°C	75.2	J/cm	ASTM D4226
23°C	89.9	J/cm	ASTM D4226
23°C	75.6 - 77.8	J/cm	ASTM D4226
23°C, 2.03 mm	71.6	J/cm	ASTM D4226
23°C, 2.03 mm	54.3	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
0.45 MPa, annealed, 3.18mm ⁶	75.6	°C	ASTM D648

1.8 MPa, annealed, 3.18mm, molded ⁷	71.1	°C	ASTM D648
1.8 MPa, annealed, 3.18mm, molded ⁸	73.9	°C	ASTM D648
CLTE - Flow	5.5E-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.	Physical property based on commercial production sample. Compression molding of extruded strips.		
4.	Physical property based on lab scale production sample.		
5.	Annealed at 50 deg.C		
6.	Annealed at 60 deg.C		
7.	Annealed at 50 deg.C		
8.	Annealed at 60 deg.C		

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