

Geon™ Vinyl Rigid Extrusion L6180

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Rigid Extrusion L6180 is a rigid PVC product. It can be processed by extrusion and is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. Geon™ The application fields of Vinyl Rigid Extrusion L6180 include architectural applications and outdoor applications. The main characteristics are: good weather resistance.

General Information			
Features	Good weather resistance		
Uses	Building materials		
	Doors and Windows		
	Outdoor application		
	Profile		
Appearance	Brown		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.29	g/cm ³	ASTM D792
PVC Cell Classification	1-02453-43		ASTM D4216
PVC Cell Classification	11444		ASTM D1784
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	85		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2680	MPa	ASTM D638
Tensile Strength ² (Yield)	52.7	MPa	ASTM D638
Flexural Modulus	2740	MPa	ASTM D790
Flexural Strength	92.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256A
23°C, 3.18mm, injection molding	16	J/m	ASTM D256A
Transverse flow: 23°C, 3.18mm, molded	21	J/m	ASTM D256A
Flow: 23°C, 3.18mm, molded	16	J/m	ASTM D256A
Drop Impact Resistance			ASTM D4226
23°C ³	87.6	J/cm	ASTM D4226
23°C ⁴	149	J/cm	ASTM D4226
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm)	75.6	°C	ASTM D648
CLTE - Flow	7.2E-5	cm/cm/°C	ASTM D696

Additional Information

注释:分档是采用注塑模制样品进行缺口摆锤冲击试验确定的.

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

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