

Geon™ Vinyl Rigid Extrusion L7801

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Rigid Extrusion L7801 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. Typical application areas are: outdoor applications. The main characteristics are: impact resistance.

General Information			
Features	Impact resistance, high		
Uses	Outdoor application		
	Profile		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.51	g/cm ³	ASTM D792
PVC Cell Classification	1-41424-33-0000		ASTM D4216
PVC Cell Classification	16254		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	2900	MPa	ASTM D638
Tensile Strength ² (Yield)	41.3	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			ASTM D256A
0°C, 3.18mm, molded	200	J/m	ASTM D256A
23°C, 3.18mm, molded	1100	J/m	ASTM D256A
Drop Impact Resistance			ASTM D4226
0°C ³	40.5	J/cm	ASTM D4226
0°C ⁴	40.5	J/cm	ASTM D4226
23°C ⁵	52.0	J/cm	ASTM D4226
23°C ⁶	178	J/cm	ASTM D4226
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, 3.18mm	76.1	°C	ASTM D648
0.45 MPa, annealed, 3.18mm	78.9	°C	ASTM D648
1.8 MPa, unannealed, 3.18mm	71.1	°C	ASTM D648
1.8 MPa, annealed, 3.18mm	73.9	°C	ASTM D648

CLTE - Flow	6.3E-5	cm/cm/°C	ASTM D696
Additional Information	Nominal Value		
Ease of Sizing	Acceptable		
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		
5.	Procedure A, C.125 Throwing		
6.	Procedure B, C.125 Throwing		

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