

Geon™ Vinyl Rigid Extrusion L1101

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Rigid Extrusion L1101 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.

Features include:

flame retardant/rated flame

Good dimensional stability

General Information			
UL YellowCard	E41877-234264		
Features	Good dimensional stability		
	Good melt strength		
Uses	Profile		
Appearance	Available colors		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35	g/cm ³	ASTM D792
PVC Cell Classification	16343		ASTM D1784
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	83		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2590	MPa	ASTM D638
Tensile Strength ² (Yield)	44.1	MPa	ASTM D638
Flexural Modulus	2620	MPa	ASTM D790
Flexural Strength	78.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256A
23°C, 3.18mm, injection molding	1300	J/m	ASTM D256A
Transverse flow: 23°C, 3.18mm, molded	1300	J/m	ASTM D256A
Flow: 23°C, 3.18mm, molded	1200	J/m	ASTM D256A
Drop Impact Resistance			ASTM D4226
23°C ³	53.8	J/cm	ASTM D4226
23°C ⁴	156	J/cm	ASTM D4226
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm)	68.9	°C	ASTM D648
CLTE - Flow	6.7E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method

Flame Rating	V-0	UL 94
Additional Information	Nominal Value	
Ease of Sizing	Excellent	
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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