

Geon™ Vinyl Rigid Extrusion 87150

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Rigid Extrusion 87150 is a rigid polyvinyl chloride 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: water pipes/pipes/drinking water. The main characteristics are: flame retardant/rated flame.

General Information			
UL YellowCard	E41877-234183		
Uses	Profile		
Agency Ratings	NSF 51		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.44	g/cm ³	ASTM D792
PVC Cell Classification	16344		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	2710	MPa	ASTM D638
Tensile Strength ² (Yield)	41.9	MPa	ASTM D638
Flexural Modulus	2520	MPa	ASTM D790
Flexural Strength	72.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256A
23°C, 3.18mm, injection molding	1100	J/m	ASTM D256A
Transverse flow: 23°C, 3.18mm, molded	870	J/m	ASTM D256A
Flow: 23°C, 3.18mm, molded	700	J/m	ASTM D256A
Drop Impact Resistance			ASTM D4226
23°C ³	52.5	J/cm	ASTM D4226
23°C ⁴	108	J/cm	ASTM D4226
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm)	74.4	°C	ASTM D648
CLTE - Flow	6.5E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
0.749mm, all	V-0		UL 94
1.90mm, all	5VA		UL 94
CSA Flammability ⁵			

701.0 μm	V-0
730.0 μm	5VA
Ease of Sizing	Good
Additional Information	Nominal Value

注释:按特定颜色获取NSF清单.请联系普立万公司获取该产品已认证颜色的最新清单.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.	All colors

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