

Geon™ Vinyl Rigid Extrusion 87727-0284

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™Vinyl Rigid Extrusion 87727-0284 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. Geon™The application areas of Vinyl Rigid Extrusion 87727-0284 include covering materials and home applications. The main characteristics are: flame retardant/rated flame.

General Information			
UL YellowCard	E41877-234203		
Uses	Vertical venetian blinds		
	Tread rubber		
	Profile		
Appearance	Translucent		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.38	g/cm ³	ASTM D792
PVC Cell Classification	11553		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	2870	MPa	ASTM D638
Tensile Strength ² (Yield)	56.9	MPa	ASTM D638
Flexural Modulus	2920	MPa	ASTM D790
Flexural Strength	93.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256A
23°C, 3.18mm, injection molding	210	J/m	ASTM D256A
Transverse flow: 23°C, 3.18mm, molded	35	J/m	ASTM D256A
Flow: 23°C, 3.18mm, molded	16	J/m	ASTM D256A
Drop Impact Resistance			ASTM D4226
23°C ³	66.3	J/cm	ASTM D4226
23°C ⁴	175	J/cm	ASTM D4226
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm)	61.1	°C	ASTM D648
CLTE - Flow	7.0E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm, TP)	5VA		UL 94

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.物理属性试验基于Geon® 87727 Trans 0020.

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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