

Geon™ Vinyl Rigid Extrusion 87554

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™Vinyl Rigid Extrusion 87554 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.

Features include:

flame retardant/rated flame

Impact resistance

General Information			
UL YellowCard	E41877-234198		
Features	Impact resistance, high		
	General		
Uses	General		
	Profile		
Appearance	Clear/transparent		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.33	g/cm ³	ASTM D792
PVC Cell Classification	16453		ASTM D1784
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	82		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2790	MPa	ASTM D638
Tensile Strength ² (Yield)	53.4	MPa	ASTM D638
Flexural Modulus	2840	MPa	ASTM D790
Flexural Strength	88.5	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	570	J/m	ASTM D256A
Flow: 23°C, 3.18mm, molded	140	J/m	ASTM D256A
Drop Impact Resistance			ASTM D4226
23°C ³	52.0	J/cm	ASTM D4226
23°C ⁴	173	J/cm	ASTM D4226
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm)	67.2	°C	ASTM D648

CLTE - Flow	7.0E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value	Test Method	
Flame Rating		UL 94	
1.50mm, all	V-0	UL 94	
2.30mm, all	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.

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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