

Geon™ Vinyl Rigid Extrusion 87549

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™Vinyl Rigid Extrusion 87549 is a rigid polyvinyl chloride product. It can be processed by extrusion molding of profiles and is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The main characteristics are: flame retardant/rated flame.

General Information			
UL YellowCard	E41877-234197		
Uses	Profile		
Appearance	Clear/transparent		
Forms	Particle		
Processing Method	Profile extrusion molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.34	g/cm ³	ASTM D792
PVC Cell Classification	16354		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	2480	MPa	ASTM D638
Tensile Strength ² (Yield)	41.4	MPa	ASTM D638
Flexural Modulus	2900	MPa	ASTM D790
Flexural Strength	91.9	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	520	J/m	ASTM D256A
Flow: 23°C, 3.18mm, molded	91	J/m	ASTM D256A
Drop Impact Resistance			ASTM D4226
23°C ³	64.5	J/cm	ASTM D4226
23°C ⁴	170	J/cm	ASTM D4226
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm)	71.1	°C	ASTM D648
CLTE - Flow	7.0E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method
Flame Rating	V-0		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.			
Injection	Nominal Value	Unit	
Processing (Melt) Temp	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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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
 Phone: +86 13424755533
 Email: sales@su-jiao.com
 No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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