

Geon™ Vinyl Rigid Extrusion 85880

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™Vinyl Rigid Extrusion 85880 is a rigid polyvinyl chloride product. It can be processed by sheet extrusion or thermoforming 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			
Forms	Particle		
Processing Method	Sheet extrusion molding		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm ³	ASTM D792
PVC Cell Classification	16344		ASTM D1784
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	81		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2620	MPa	ASTM D638
Tensile Strength ² (Yield)	41.9	MPa	ASTM D638
Flexural Modulus	2500	MPa	ASTM D790
Flexural Strength	70.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256A
23°C, 3.18mm, injection molding	1200	J/m	ASTM D256A
Transverse flow: 23°C, 3.18mm, molded	1100	J/m	ASTM D256A
Flow: 23°C, 3.18mm, molded	820	J/m	ASTM D256A
Drop Impact Resistance			ASTM D4226
23°C ³	49.8	J/cm	ASTM D4226
23°C ⁴	49.8	J/cm	ASTM D4226
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm)	70.0	°C	ASTM D648
CLTE - Flow	7.0E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method
Flame Rating (1.00mm, all)	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.			
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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