

Geon™ Vinyl Rigid Extrusion 84110

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Rigid Extrusion 84110 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™ Vinyl Rigid Extrusion 84110 applications include water pipes/pipes/drinking water, thin plates, movies and food contact applications.

Features include:

flame retardant/rated flame

accessible food

General Information			
UL YellowCard	E41877-234168		
Features	Compliance of Food Exposure		
Uses	Films		
	Sheet		
	Profile		
Agency Ratings	FDA Food Exposure, Not Rated		
	NSF 51		
	NSF 61		
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	14453		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	2770	MPa	ASTM D638
Tensile Strength ² (Yield)	51.2	MPa	ASTM D638
Flexural Modulus	2830	MPa	ASTM D790
Flexural Strength	86.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256A
23°C, 3.18mm, injection molding	320	J/m	ASTM D256A
Transverse flow: 23°C, 3.18mm, molded	32	J/m	ASTM D256A
Flow: 23°C, 3.18mm, molded	570	J/m	ASTM D256A
Drop Impact Resistance			ASTM D4226
23°C ³	60.9	J/cm	ASTM D4226

23°C ⁴	86.3	J/cm	ASTM D4226
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm)	68.9	°C	ASTM D648
CLTE - Flow	6.8E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm, ALL)	V-0		UL 94
Additional Information			
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		

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