

Geon™ Vinyl Rigid Extrusion 87775

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™Vinyl Rigid Extrusion 87775 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. Geon™Vinyl Rigid Extrusion 87775 applications include architectural applications and outdoor applications.

General Information			
Uses	Building materials		
	Doors and Windows		
	Outdoor application		
	Profile		
Agency Ratings	AAMA 303		
Forms	Particle		
Processing Method	Profile extrusion molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.45	g/cm ³	ASTM D792
PVC Cell Classification	1-41133-33		ASTM D4216
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	78		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2760	MPa	ASTM D638
Tensile Strength ² (Yield)	44.5	MPa	ASTM D638
Flexural Modulus	2740	MPa	ASTM D790
Flexural Strength	80.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256A
23°C, 3.18mm, injection molding	1400	J/m	ASTM D256A
Transverse flow: 23°C, 3.18mm, molded	120	J/m	ASTM D256A
Flow: 23°C, 3.18mm, molded	170	J/m	ASTM D256A
Drop Impact Resistance			ASTM D4226
23°C ³	57.8	J/cm	ASTM D4226
23°C ⁴	57.8	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	6.8E-5	cm/cm/°C	ASTM D696
Additional Information	Nominal Value		
Ease of Sizing	Good		

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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