

Geon™ Vinyl Rigid Extrusion 87345

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Rigid Extrusion 87345 is a Rigid Polyvinyl Chloride product. It can be processed by extrusion and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Typical application: Plumbing/Piping/Potable Water. Primary characteristic: chemical resistant.

General Information			
Features	Good Chemical Resistance		
Uses	Piping		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm ³	ASTM D792
PVC Cell Classification	13454		ASTM D1784
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	80		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2990	MPa	ASTM D638
Tensile Strength ² (Yield)	49.0	MPa	ASTM D638
Flexural Modulus	3190	MPa	ASTM D790
Flexural Strength	98.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256A
23°C, 3.18 mm, Injection Molded	80	J/m	
Across Flow : 23°C, 3.18 mm, Compression Molded	64	J/m	
Flow : 23°C, 3.18 mm, Compression Molded	59	J/m	
Drop Impact Resistance			ASTM D4226
23°C ³	69.4	J/cm	
23°C ⁴	199	J/cm	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm)	75.6	°C	ASTM D648
CLTE - Flow	6.1E-5	cm/cm/°C	ASTM D696
Additional Information	Nominal Value		
Ease of Sizing	Good		
Extrusion	Nominal Value	Unit	
Melt Temperature	182 to 193	°C	
NOTE			

1.	Type I, 5.1 mm/min
2.	Type I, 5.1 mm/min
3.	Procedure A, C.125 Dart
4.	Procedure B, C.125 Dart

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