

Geon™ Vinyl Rigid Extrusion L6256

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Rigid Extrusion L6256 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. Applications of Geon™ Vinyl Rigid Extrusion L6256 include plumbing/piping/potable water and wire & cable.

Characteristics include:

Flame Rated

Good Aesthetics

High Flow

General Information			
UL YellowCard	E41877-100184552		
Features	Good Surface Finish		
	High Flow		
Uses	Profiles		
Agency Ratings	NSF 51		
	UL 94		
Forms	Cube		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.39	g/cm ³	ASTM D792
PVC Cell Classification	16364		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	3060	MPa	ASTM D638
Tensile Strength ² (Yield)	42.3	MPa	ASTM D638
Flexural Modulus	2660	MPa	ASTM D790
Flexural Strength	82.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256A
-18°C, 3.18 mm, Compression Molded ³	120	J/m	
0°C, 3.18 mm, Compression Molded ⁴	880	J/m	
23°C, 3.18 mm, Compression Molded ⁵	1200	J/m	
Instrumented Dart Impact ⁶			ASTM D3763
-18°C, 1.85 mm, brittle	19.8	J	
0°C, 1.85 mm, brittle	21.9	J	
23°C, 1.85 mm, ductile	25.1	J	

Drop Impact Resistance			ASTM D4226
23°C ⁷	66.7	J/cm	
23°C ⁸	> 178	J/cm	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	77.7	°C	
0.45 MPa, Annealed	80.0	°C	
1.8 MPa, Unannealed, 3.18 mm	74.5	°C	
1.8 MPa, Annealed	78.0	°C	
CLTE - Flow	6.3E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
0.701 mm, ALL	V-0		
3.00 mm, ALL	5VA		
Additional Information	Nominal Value		
Ease of Sizing	Good		
Extrusion	Nominal Value	Unit	
Melt Temperature	177 to 188	°C	
NOTE			
1.	Type I, 5.1 mm/min		
2.	Type I, 5.1 mm/min		
3.	all complete breaks		
4.	all hinge breaks		
5.	all hinge breaks		
6.	3.30 m/sec		
7.	Procedure A, C.125 Dart		
8.	Procedure B, C.125 Dart		

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