

Geon™ Vinyl Rigid Extrusion L4230

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Extrusion capstock for darker colors. This product is not recommended for horizontal, outdoor applications.

General Information			
Features	High Gloss		
	High Impact Resistance		
Uses	Capstock		
	Construction Applications		
	Outdoor Applications		
Appearance	Colors Available		
Forms	Cube		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.26	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 10 sec)	80		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2240	MPa	ASTM D638
Tensile Strength ² (Yield)	42.1	MPa	ASTM D638
Flexural Modulus	2340	MPa	ASTM D790
Flexural Strength	66.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256A
10°C, 3.18 mm, Injection Molded	530	J/m	
23°C, 3.18 mm, Injection Molded	960	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Annealed, 3.18 mm ³	76.1	°C	
0.45 MPa, Annealed, 3.18 mm ⁴	78.9	°C	
1.8 MPa, Annealed, 3.18 mm, Compression Molded ⁵	72.8	°C	
1.8 MPa, Annealed, 3.18 mm, Compression Molded ⁶	77.8	°C	
CLTE - Flow	8.0E-5	cm/cm/°C	ASTM D696
Injection	Nominal Value	Unit	
Processing (Melt) Temp	199 to 210	°C	
Extrusion	Nominal Value	Unit	

Melt Temperature	182 to 193	°C
NOTE		
1.	Type I, 51 mm/min	
2.	Type I, 51 mm/min	
3.	Annealed at 50 deg.C	
4.	Annealed at 60 deg.C	
5.	Annealed at 50 deg.C	
6.	Annealed at 60 deg.C	

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