

Geon™ Vinyl Cellular E2501

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Geon E2501 is an interior grade of standard E2500.

General Information			
UL YellowCard	E41877-584145		
Uses	Building materials		
	Car interior parts		
Forms	Powder		
	Honeycomb, inward foaming		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity ¹	0.599 - 0.798	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	85		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ²	3380	MPa	ASTM D638
Tensile Strength ³ (Yield)	51.6	MPa	ASTM D638
Flexural Modulus	3420	MPa	ASTM D790
Flexural Strength	96.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact - Across Flow (23°C, 3.18 mm, Compression Molded)	37	J/m	ASTM D256A
Drop Impact Resistance ⁴ (23°C)	10.2	J/cm	ASTM D4226
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm)	70.0	°C	ASTM D648
CLTE - Flow	5.9E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method
Flame Rating (natural)	V-0		UL 94
Additional Information			
Physical properties measured on non-foamed profiles.			
Extrusion	Nominal Value	Unit	
Melt Temperature	182 - 191	°C	
NOTE			
1.	Cellular		
2.	Type 1, 5.1 mm/min		

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|----|-----------------------------|
| 3. | Type 1, 5.1 mm/min |
| 4. | Procedure A, C.125 Throwing |

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