

Geon™ Vinyl Cellular E2600

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Geon E2600 exhibits comparable performance to Geon E2500 for single and twin screw extruders.

General Information			
Uses	Building materials		
	Outdoor application		
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			ASTM D4226
23°C ⁴	10.2	J/cm	ASTM D4226
23°C ⁵	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
Additional Information			
Physical properties measured on un-foamed profiles from Geon E2600 white.			
Extrusion	Nominal Value	Unit	
Melt Temperature	177 - 191	°C	
NOTE			
1.	Cellular		
2.	Type 1, 5.1 mm/min		
3.	Type 1, 5.1 mm/min		

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| 4. | Procedure A, C.125 Throwing |
| 5. | Procedure B, C.125 Throwing |

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