Geon™ Vinyl Cellular E2600

Rigid Polyvinyl Chloride

Key Characteristics

Product Description			
Geon E2600 exhibits comparable performance to Geon E2500 for single and twin screw extruders.			
General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Uses	• Building Materials	• Outdoor Applications	
Forms	• Cellular, Inward Foam	• Powder	
Processing Method	• Extrusion		

Technical Properties [1]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity [2]	0.600 to 0.800	0.600 to 0.800	ASTM D792
Mechanical	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Modulus [3]	490000 psi	3380 MPa	ASTM D638
Tensile Strength [3] (Yield)	7480 psi	51.6 MPa	ASTM D638
Flexural Modulus	496000 psi	3420 MPa	ASTM D790
Flexural Strength	14000 psi	96.8 MPa	ASTM D790
Impact	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Notched Izod Impact - Across Flow			ASTM D256A
73°F (23°C), 0.125 in (3.18 mm), Compression Molded	0.70 ft·lb/in	37 J/m	
Drop Impact Resistance			ASTM D4226
73°F (23°C) [4]	0.230 in·lb/mil	10.2 J/cm	
73°F (23°C) [5]	0.230 in·lb/mil	10.2 J/cm	
Hardness	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Durometer Hardness (Shore D)	85	85	ASTM D2240
Thermal	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Deflection Temperature Under Load			ASTM D648
264 psi (1.8 MPa), Unannealed, 0.125 in (3.18 mm)	158 °F	70.0 °C	
CLTE - Flow	3.3E-5 in/in/°F	5.9E-5 cm/cm/°C	ASTM D696

Additional Information

Physical properties measured on un-foamed profiles from Geon E2600 white.

Processing Information

Extrusion	Typical Value (English)	Typical Value (SI)
Melt Temperature	350 to 375 °F	177 to 191 °C

Notes

[1] Typical values are not to be construed as specifications.

[2] Cellular

[3] Type I, 0.20 in/min (5.1 mm/min)

[4] Procedure A, C.125 Dart

[5] Procedure B, C.125 Dart

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