Geon™ Vinyl Dry Blend E6001

Rigid Polyvinyl Chloride

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• High Flow		
Uses	• Vertical Blinds		
Forms	• Powder		
Processing Method	• Extrusion	• Profile Extrusion	

Technical Properties [1]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.54	1.54	ASTM D792
PVC Cell Classification	10264	10264	ASTM D1784
Mechanical	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Modulus [2]	540000 psi	3720 MPa	ASTM D638
Tensile Strength [2] (Yield)	5540 psi	38.2 MPa	ASTM D638
Flexural Modulus	540000 psi	3720 MPa	ASTM D790
Flexural Strength	11500 psi	79.5 MPa	ASTM D790
Impact	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Drop Impact Resistance [3] (73°F (23°C))	0.500 in·lb/mil	22.2 J/cm	ASTM D4226
Hardness	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Durometer Hardness (Shore D)	84	84	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)	162 °F	72.2 °C	
CLTE - Flow	3.0E-5 in/in/°F	5.4E-5 cm/cm/°C	ASTM D696

Processing Information

Extrusion	Typical Value (English)	Typical Value (SI)
Melt Temperature	375 to 390 °F	191 to 199 °C

Notes

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

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

[3] Procedure A, C.125 Dart