



Geon™ CPVC LCP01

Chlorinated Polyvinyl Chloride

Key Characteristics

Product Description			
Proprietary product for Clim-A-Tech			
General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Uses	• Profiles		
Agency Ratings	• UL 94 ¹		
Forms	• Pellets		
Processing Method	• Extrusion		

Technical Properties ²

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.51	1.51	ASTM D792
PVC Cell Classification	23447	23447	ASTM D1784
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus (73°F (23°C))	377000 psi	2600 MPa	ASTM D638
Tensile Strength (Yield, 73°F (23°C))	7590 psi	52.3 MPa	ASTM D638
Flexural Modulus	403000 psi	2780 MPa	ASTM D790
Flexural Strength (Yield, 73°F (23°C))	13700 psi	94.5 MPa	ASTM D790
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact			ASTM D256
73°F (23°C), 0.125 in (3.18 mm)	2.0 ft-lb/in	110 J/m	
Drop Impact Resistance (73°F (23°C))	1.84 in-lb/mil	81.8 J/cm	ASTM D4226
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Rockwell Hardness	117	117	ASTM D785
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
264 psi (1.8 MPa), Annealed	220 °F	105 °C	
CLTE - Flow	3.7E-5 in/in/°F	6.7E-5 cm/cm/°C	ASTM D696
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating			UL 94
Pass Test - Currently Not Listed with UL	V-0	V-0	

Processing Information

Extrusion	Typical Value (English)	Typical Value (SI)
Melt Temperature	388 to 403 °F	198 to 206 °C

Notes

¹ Pass - Not listed with UL

² Typical values are not to be construed as specifications.