



# Geon™ CPVC LC110

## Chlorinated Polyvinyl Chloride

### Key Characteristics

#### Product Description

Geon LC110 CPVC is extrusion grade rigid compound. It is designed for applications where enhanced resistance at elevated temperatures is needed

#### General

Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Forms	• Pellets		
Processing Method	• Extrusion		

### Technical Properties <sup>1</sup>

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.51	1.51	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus <sup>2</sup>	374000 psi	2580 MPa	ASTM D638
Tensile Strength <sup>2</sup> (Yield)	7750 psi	53.4 MPa	ASTM D638
Flexural Modulus	400000 psi	2760 MPa	ASTM D790
Flexural Strength	13500 psi	93.1 MPa	ASTM D790
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact 73°F (23°C), 0.125 in (3.18 mm), Injection Molded	5.8 ft·lb/in	310 J/m	ASTM D256A
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Rockwell Hardness (R-Scale)	119	119	ASTM D785
Durometer Hardness (Shore D)	84	84	ASTM D2240
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Deflection Temperature Under Load 264 psi (1.8 MPa), Annealed, 0.125 in (3.18 mm)	217 °F	103 °C	ASTM D648

### Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Processing (Melt) Temp	350 to 380 °F	177 to 193 °C

#### Notes

<sup>1</sup> Typical values are not to be construed as specifications.

<sup>2</sup> Type I, 0.20 in/min (5.1 mm/min)