

Geon™ CPVC LC110

Chlorinated Polyvinyl Chloride

PolyOne Corporation

Message:

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

General Information			
Uses	Profile		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.51	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	119		ASTM D785
Durometer Hardness (Shore D)	84		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2580	MPa	ASTM D638
Tensile Strength ² (Yield)	53.4	MPa	ASTM D638
Flexural Modulus	2760	MPa	ASTM D790
Flexural Strength	93.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm, Injection Molded)	310	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed, 3.18 mm)	103	°C	ASTM D648
Injection	Nominal Value	Unit	
Processing (Melt) Temp	177 - 193	°C	
NOTE			
1.	Type 1, 5.1 mm/min		
2.	Type 1, 5.1 mm/min		

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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