

# Geon™ CPVC LC500

Chlorinated Polyvinyl Chloride

PolyOne Corporation

Message:

Geon EC501 CPVC is an extrusion grade rigid compound. It is designed for applications where enhanced resistance at elevated temperatures is needed. EC501 demonstrates ease of processing with excellent thermal stability.

General Information			
Uses	Automotive Interior Parts		
	Profiles		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.52	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	84		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus <sup>1</sup>	2620	MPa	ASTM D638
Tensile Strength <sup>2</sup> (Yield)	52.9	MPa	ASTM D638
Flexural Modulus	2730	MPa	ASTM D790
Flexural Strength	94.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm, Compression Molded)	130	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
1.8 MPa, Unannealed, 3.18 mm	89.9	°C	
1.8 MPa, Annealed, 3.18 mm	104	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	191 to 202	°C	
NOTE			
1.	Type I, 5.1 mm/min		
2.	Type I, 5.1 mm/min		

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