

## **GEON® Plus LC500**

## GEON Performance Solutions - Chlorinated Polyvinyl Chloride

Friday, June 2, 2023

		Genera	I Information			<i>, , ,</i>
Product Description						
GEON® LC500 CPVC is an extrusion needed. LC500 demonstrates ease	0 0			where enhanced re	sistance a	t elevated temperatures is
General						
Material Status	Comm	ercial: Active				
Availability	<ul><li>Africa</li><li>Asia Para Asia</li></ul>	& Middle East acific	<ul><li>Europe</li><li>Latin America</li></ul>		North America	
Uses	Autom	otive Interior Parts	<ul> <li>Profiles</li> </ul>			
Forms	<ul> <li>Pellets</li> </ul>	i				
Processing Method	• Extrusi	ion				
		ASTM & I	SO Properties <sup>1</sup>			
Physical		Nominal Value	(English)	Nominal Value	(SI)	Test Method
Density / Specific Gravity		1.52		1.52		ASTM D792
Mechanical		Nominal Value	(English)	Nominal Value	(SI)	Test Method
Tensile Modulus <sup>2</sup>		380000	psi	2620	MPa	ASTM D638
Tensile Strength <sup>2</sup> (Yield)		7670	psi	52.9	MPa	ASTM D638
Flexural Modulus		396000	psi	2730	MPa	ASTM D790
Flexural Strength		13700	psi	94.5	MPa	ASTM D790
Impact		Nominal Value	(English)	Nominal Value	(SI)	Test Method
Notched Izod Impact						ASTM D256A
73°F (23°C), 0.125 in (3.18 mm), Molded	Compression	2.5	ft·lb/in	130	J/m	
Hardness		Nominal Value	(English)	Nominal Value	(SI)	Test Method
Durometer Hardness (Shore D)		84		84		ASTM D2240
Thermal		Nominal Value	(English)	Nominal Value	(SI)	Test Method
Deflection Temperature Under Load	ł					ASTM D648

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
264 psi (1.8 MPa), Unannealed, 0.125 in (3.18 mm)	194 °F	89.9 °C	
264 psi (1.8 MPa), Annealed, 0.125 in (3.18 mm)	219 °F	104 °C	

Processing Information									
Extrusion	Nominal Value	(English)	Nominal Value	(SI)					
Melt Temperature	375 to 395	°F	191 to 202	°C					

## Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

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

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