



GEON® Plus CPVC

GEON® Plus CPVC combines key vinyl properties, such as inherent flame and chemical resistance, with elevated temperature performance and low smoke generation, creating an effective engineering solution for many industrial applications.

From traditional hot water pipe and fittings to window and door applications as well as aerospace panels, GEON® Plus CPVC meets a variety of performance and regulatory requirements. These formulations can be an effective replacement for some higher cost engineered polymers or metal.

KEY CHARACTERISTICS

- High heat distortion temperatures up to 230°F (110°C)
- Meets stringent flame and smoke standards
- Excellent chemical resistance
- Excellent corrosion resistance as option to metal
- Supports higher heat build-up from black and dark bronze colored capstock



MARKETS AND APPLICATIONS

GEON® Plus CPVC can be used in a wide range of markets and applications, including:

- Profiles for outdoor applications such as window components
- Pipes and pipe fittings—wastewater pipe, pressure pipe
- Electrical components
- Custom profile extrusions
- Custom-molded applications

PRODUCT	APPLICATION	FORM	PROCESSING METHOD	HDT (°F)	STANDARDS
EC501	Window Profiles	Dry Blend	Extrusion	219	
EC520	Siding Substrate, Window Profiles	Powder	Extrusion	216	
EC900	CTS Hot Water Pipe	Powder	Extrusion	229	NSF 14 and 61
EC950	IPS Pipe	Powder	Extrusion	230	NSF 14 and 61
EE105	Electrical Conduit	Pellets	Extrusion	221	UL RTI 221°F (105°C)
LC510	Window Profiles	Pellets	Extrusion	221	
MC100	CTS Hot Water Fittings	Pellets	Molding	217	NSF 14 and 61
MC280	IPS Fittings and Valves	Pellets	Molding	214	NSF 14 and 61

1-800-GET-GEON
SALES@GEON.COM

GEON®
Performance Solutions

Copyright © 2021, GEON Performance Solutions. GEON Performance Solutions makes no representations, guarantees, or warranties of any kind with respect to the information contained in this document about its accuracy, suitability for particular applications, or the results obtained or obtainable using the information. Some of the information arises from laboratory work with small-scale equipment which may not provide a reliable indication of performance or properties obtained or obtainable on larger-scale equipment. Values reported as "typical" or stated without a range do not state minimum or maximum properties; consult your sales representative for property ranges and min/max specifications. Processing conditions can cause material properties to shift from the values stated in the information. GEON makes no warranties or guarantees respecting suitability of either GEON's products or the information for your process or end-use application. You have the responsibility to conduct full-scale end-product performance testing to determine suitability in your application, and you assume all risk and liability arising from your use of the information and/or use or handling of any product. GEON MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, either with respect to the information or products reflected by the information. This literature shall NOT operate as permission, recommendation, or inducement to practice any patented invention without permission of the patent owner.