



GEON® DURATHERM CPVC

GEON® DURATHERM 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® DURATHERM CPVC meets a variety of performance and regulatory requirements. These formulations can be an effective replacement for some higher cost engineered polymers or metal.

MARKETS AND APPLICATIONS

GEON® DURATHERM 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

DURATHERM

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

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