

Tianchen Z-500

Chlorinated Polyvinyl Chloride
Shandong Tianchen Chemical Co., Ltd

Message:

The CPVC resin is made by chlorination modification of PVC resin and is one advanced engineering material. This product is white or canary loose grain or powder with no smell, odorless and innocuity. After chlorination, the irregularity of molecular bond of the PVC resin and the polarity of molecular chain increase, the dissolvability and chemical stability of the resin also increase, and accordingly improve the heat resistance and resist the corrosion of acid, caustic, salt and oxidant etc. In addition, it improve the mechanical performance of numerical heat distortion temperature and chlorine content increases from 56.7% to 63-69% and Vicat softening temperature from 72-82°C to 90-125°C; its highest service temperature can reach 110°C and long-term service temperature can reach 95°C. Accordingly, CPVC is one kind of advanced engineering plastic with vast foreground.

General Information	
Features	Acid Resistant
	Good Chemical Resistance
	Good Corrosion Resistance
	Low to No Odor
	Oxidation Resistant
	Thermally Insulating
Uses	Appliances
	Cable Jacketing
	Compounding
	Electrical Parts
	Fittings
	Piping
	Plastics Modification
	Tubing
Appearance	White
Forms	Granules
	Powder

Physical	Nominal Value	Unit
Density	1.45 to 1.58	g/cm ³
Chlorine Content	63.0 to 66.0	wt%
Mechanical	Nominal Value	Unit
Tensile Stress	54.0 to 70.0	MPa
Flexural Stress	120	MPa
Thermal	Nominal Value	Unit
Vicat Softening Temperature	100 to 125	°C
CLTE - Flow	7.5E-5 to 8.0E-5	cm/cm/°C
Additional Information	Nominal Value	Unit

Thermal Decomposition Temperature	> 120	°C
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Recommended distributors for this material

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