

Tianchen J-700

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	66.0 to 69.0	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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