

# Technical Data Sheet

## Topolymer™ - CPVC Compound

With mature formulation and advanced compounding technology ,we use own CPVC Resin and selected strictly additives to make CPVC compound. CPVC pipes and fittings produced by our CPVC compound are most advanced for hot and cold water , Industrial and Fire pipeline system giving numerous advantages like corrosion resistance, chemical resistance, fire resistance, low thermal expansion, safety for drinking water, freedom from leakages and wall dampening, lowest bacterial growth besides easy installation and cost effective.

凭借成熟的配方体系及先进的混料技术，我们用自有 CPVC 树脂粉加上精挑细选的助剂来生产 CPVC 混配料。用我们的 CPVC 混配料生产的冷热水管，工业管，消防管除具有良好的性价比外，更有抗腐蚀，耐化学性，阻燃性，低的热膨胀率，低细菌生长性等众多优点。



### Advantages :

**Chemical resistant** : SuperCPVC has excellent chemical resistance to strong mineral acids and bases.

**Tough, rigid material** : CPVC pipe produced by SuperCPVC has a much higher strength than other thermoplastics used in plumbing. This means that CPVC needs less hangers and supports and there is no unsightly looping of pipe. CPVC pipe has a higher pressure bearing capacity. This leads to the same flow rate with a smaller pipe size.

**Unaffected by chlorine in the water** : Some materials may be adversely affected by chlorine contained in the water supply which can cause breakdown of the polymer chains and potential leaks. In this respect, CPVC pipe is unaffected by the chlorine present in potable water supply.

**Low thermal expansion** : CPVC pipe has a lower coefficient of thermal expansion than alternative plastics, reducing the amount that the pipe expands when hot water is running, again reducing unsightly “looping” of the pipe.

**Superior Insulation** : CPVC pipe is more energy efficient than metal pipe. As an insulator it does not lose heat the way metal pipe do, so heat loss and thermal expansion are reduced.

**Hot and Cold water compatible** : CPVC pipe is compatible with both hot and cold water. It withstand very high temperature compared to any other thermoplastic plumbing systems. Many solar and electric water heaters have CPVC piping system for heat efficiency and lower installation cost. Proper installation must be followed.

**Fire Safety** : CPVC has a limiting Oxygen Index of 60. Thus in air, CPVC pipe does not support combustion. No flaming drips, does not increase the fire load, low flame spread. Low smoke generation.

Specification	Unit	CEX-01C(P)	CEX-01C(G)	CIN-02C(G)	Reference Method
Vicat Softening Point 维卡温度	°C	≥110	≥110	≥103	GB/T 1633 (Eqv ISO306) ASTM D1525
Tensile Strength 拉伸强度	Mpa	≥52	≥52	≥50	GB/T 1040 (Eqv ISO527) ASTM D638
Tensile Modulus 拉伸模量	Mpa	≥2480	≥2480	≥2500	GB/T 1040 (Eqv ISO527) ASTM D638
Charpy Notched Impact Strength 简支梁缺口冲击强度	KJ/m2	≥15	≥15	≥15	GB/T 1843 (Eqv ISO180) ASTM D256
Oxygen Index 氧指数		≥48	≥48	≥48	GB/T 2406.1-2008
Specific Gravity 比重	g/cm3	1.45-1.65	1.45-1.65	1.45-1.65	GB/T 1033 (Eqv ISO1183) ASTM D792
Application 应用		Hot & cold pipe; Industrial pipe; Sprinkler pipe		Fitting & Valve	

**Remark:** Above is regular index, we can adjust formula to meet different requirement .

**Applications:**



**CPVC PIPES**



**CPVC FITTINGS**



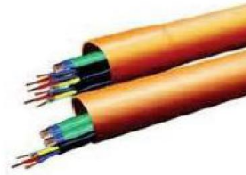
Plastic & polymer additives and solution supplier  
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CPVC Wig



CPVC Plate



CPVC Cable Sleeve



CPVC Corrugated Pipe



CPVC Valves and Fitting

**Package and Storage:**

25KG valve kraft paper bag with coating film.

It is not dangerous cargo .You should handle the material according to the instruction described on MSDS.The MSDS is available from sales department once required.

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