

SPERRY™

Bioflow™

CPVC COMPOUND

HERE FOR YOUR
HEALTH



IS - 4995



CML - 2535756

IS - 15778



CML - 3218448



INTERNATIONAL
Standard Specification
D-2046 & F-493
D-1709 & D-2487



9001:2008



QUALITY ADVANTAGES

CPVC pipes have an established reputation for their strong heat-resisting properties compared to mainstream PVC and even cast-iron pipes. Additionally, CPVC products boast strong insulation properties and are strongly resistant to rust and corrosion, and based on a track record of extended use stretching 50 years they enjoy a high level of trust from the market.

CONSTRUCTION COST ADVANTAGES

Thanks to the characteristics of the material, when compared to cast-iron pipes and other plastic materials CPVC pipes can be joined at low cost and extremely easily and quickly. This is more appealing for shortening the total construction period and thus helping to hold down construction costs as well.



PERFORMANCE

Because it uses highly thermostable cpvc arising from sperry unique compounding process, and a combination design that uses sperry technologies, bioflow boasts superior formability and high productivity. Additionally, it also displays highly stable performance in terms of heat resistance, flame resistance and mechanical strength.

CONSULTATION & SALES PROMOTION

Our staff members provide comprehensive support that adopts the customer's standpoint in response to request, including not only full technical support on everything from the design, development and shaping of CPVC products, but also with regard to sales promotions for developers and design consultants



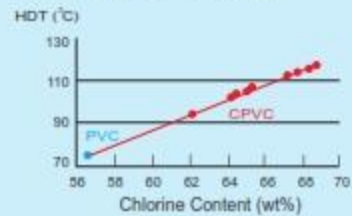
CPVC PERFORMANCE

Superior mechanical strength



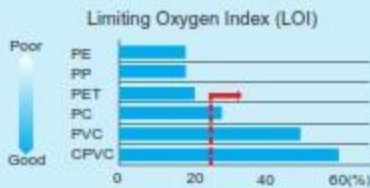
CPVC can be used for hot-water supply pipes up to 90°C, and it boasts high tensile strength even under high temperatures.

Heat resistance



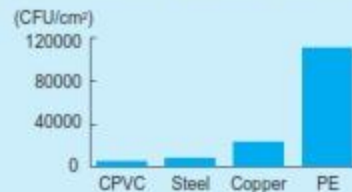
CPVC's heat resistance is improved as a result of adding chlorine.

Superior flame resistance



CPVC is a self-extinguishing resin, and so compared to other plastic ingredients it is a highly flame resistant, low smoke-producing material.

Superior from a hygiene perspective



When compared to other pipe material products CPVC inhibits bacterial growth the most (no bacterial growth in 120 days in water piping).

STANDARD SPECIFICATION

S.no.	Properties	Method	Unit	Observed value
1	SPECIFIC GRAVITY	ISO 1183	g/cm ³	1.53
2	HEAT DEFLECTION TEMPERATURE (annealed 24h at 100°C)	ISO 306	°C	111
3	TENSILE STRESS AT BREAK	ISO 527-2	MPa	50
4	CHARPY IMPACT STRENGTH	ISO 179	kJ/m ²	10
5	WATER ABSORPTION (24h at 23°C)	ISO 62	mg/cm ²	0.116
6	CHLORINE CONTENT		%	62

COMPOUND

Sperry CPVC compound is chlorinated polyvinyl chloride compound used in a variety of industrial applications where a high functional temperature and resistance to corrosive chemicals are desirable. These cost-effective compounds combine high strength performance, high heat distortion temperature, chemical resistance, flame retardancy and low smoke generation. Key performance properties are optimized through the selection of appropriate additives to meet certain regulatory and performance requirements.

COMPANY PROFILE

For more than 30 years, sperry group has excelled in the field of plastics in india. Consistently relying on the latest Technology, upgrading with high standards of quality control, we have earned a formidable reputation in the wide global Network. The activities of the company include compounding solutions and manufacturing of thermoplastics, injection molding Machinery, plastic molded components, plumbing pipes & fittings, adhesive and turnkey projects. Our plants is an ISO9001 : 2000 certified company and is now also designated as "star export house" we have Received the "outstanding export award" from the government of india. Our value based products of the tpr and tpe range are exported to a large number of asian and european countries And are used in some of the high end finished products that are further exported to the european and north american Markets.



 **SPERRY™**

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