

Chlorinated PVC Offers Cost-Effective Solution for High-Temperature Applications

Chlorinated PVC, or CPVC, retains many of the same properties as PVC but can operate in environments up to 60°F hotter than standard PVC.

SACRAMENTO, CA, UNITED STATES, February 18, 2022 /EINPresswire.com/ -- PVC is a versatile material with excellent chemical resistance, high strength, and durability. However, PVC's maximum operating temperature of approximately 140°F prevents it from remaining stable in applications where the ambient temperature regularly exceeds that. While materials with similar properties can handle higher temperatures without issue, they are not nearly as cost-effective as PVC. Interstate Plastics now offers [Chlorinated PVC, or CPVC](#), as a cost-effective solution for high heat applications where [standard PVC](#) properties are desired, but where general-purpose PVC cannot function as intended.



CPVC Rod from Interstate Plastics

After chlorinated PVC undergoes chlorination, it achieves a higher heat resistance and more flexibility than standard PVC. With a maximum service temperature of 200°F, CPVC can operate in environments up to 60° hotter than standard PVC. It is a self-extinguishing material and has a fire rating of V-0 under UL94 standards.

CPVC may be used as insulation for electronics or other electrical applications due to its much higher dielectric strength [versus standard PVC](#). In addition to its higher temperature tolerance and stronger electrical properties, CPVC shares many characteristics with standard PVC, including its excellent resistance to chemicals and corrosion, impact strength, and low water absorption.

Easily fabricated, machined, welded, or formed, CPVC is recommended for high heat applications up to 200°F. It finds use in construction, manufacturing, and plumbing industries to make pumps



Chlorinated PVC is an excellent cost-effective choice for applications requiring high chemical resistance, strength, and durability at elevated temperatures."

Christopher Isar

and valve bodies, gaskets, seat strips, high heat machined parts, profiles, insulation, and piping.

CPVC from Interstate Plastics is available as rod and sheet. For more information about CPVC and its advantageous properties compared to standard PVC or to find the right material for your application, call a plastics expert at (888) 768-5759.

Interstate Plastics is a full-line distributor of plastic sheet, rod, tube, bar, film, profile, and plastic accessories, tools,

and care products. With 10 locations nationwide and an online sales and support team, Interstate Plastics provides full sheets and pallets, simple cut-to-size service, and complex CNC manufacturing. Interstate Plastics is known for its reputation of selling high-quality products, providing excellent customer service, and superior technical support. Our products and services are available using the safe, secure, and convenient purchasing system on the Interstate Plastics website. For instant help, we're always a phone call away at (888) 768-5759.

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