



Quality. Innovation. Reliability.

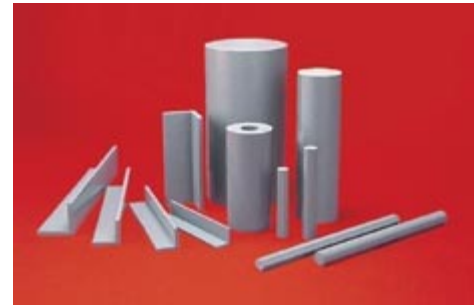
Materials



CPVC

Chlorinated Polyvinyl Chloride (CPVC)

CPVC provides advantages in elevated temperature environments due to its high heat-distortion temperature. This enables the fabrication of end items or parts for use in applications with service temperatures up to 200°F. Harvel CPVC products also have exceptional fire resistance properties providing end products with low flame spread and smoke generation characteristics. Harvel utilizes CPVC materials provided by Noveon, Inc. for the production of CPVC machining shapes. This ensures consistency and compatibility of Harvel shapes with other end products produced from CPVC compounds such as pipe, duct, fittings and sheet. Standard industrial grade CPVC shapes are light gray in color.



Various configurations of machining and joining shapes produced from specialty 4910 CPVC are also available. Harvel 4910 shapes offer exceptional fire performance characteristics, and can be used in the joining of duct, sheet and other components for use in the construction of wet benches and other units used in clean room work-stations. Harvel 4910 products are off-white in color signifying cleanliness. Contact factory for availability.

Harvel Corzan CPVC Shapes Physical Properties

GENERAL	Value	Test Method
Cell Classification	23447	ASTM D1784
Max. Service Temp.	200°F	
Color	Medium Gray	
Specific Gravity, (g/cu.cm @ 73°F)	1.52	ASTM D792
Hardness, Rockwell	119	ASTM D785
MECHANICAL		
Tensile Strength, psi @ 73°F	7100	ASTM D638
Tensile Modulus of Elasticity, psi @ 73°F	330,000	ASTM D638
Flexural Strength, psi @ 73°F	12,000	ASTM D790
Flexural Modulus, psi @ 73°F	350,000	ASTM D790
Izod Impact, notched, ft-lb/in @ 73°F	8.0	ASTM D256
THERMAL		
Coefficient of Linear Expansion (in/in/°F)	3.95×10^{-5}	ASTM D696
Heat Deflection Temperature Under Load (264psi, Annealed)	235°F	ASTM D648
FIRE PERFORMANCE		
Flammability Rating	V-0, 5VB, 5VA	UL-94