

Flametec®

Cleanroom PVC-C

Made from Corzan® G2 Technology

FM 4910 Listed



Photo courtesy of Plastic Service Center

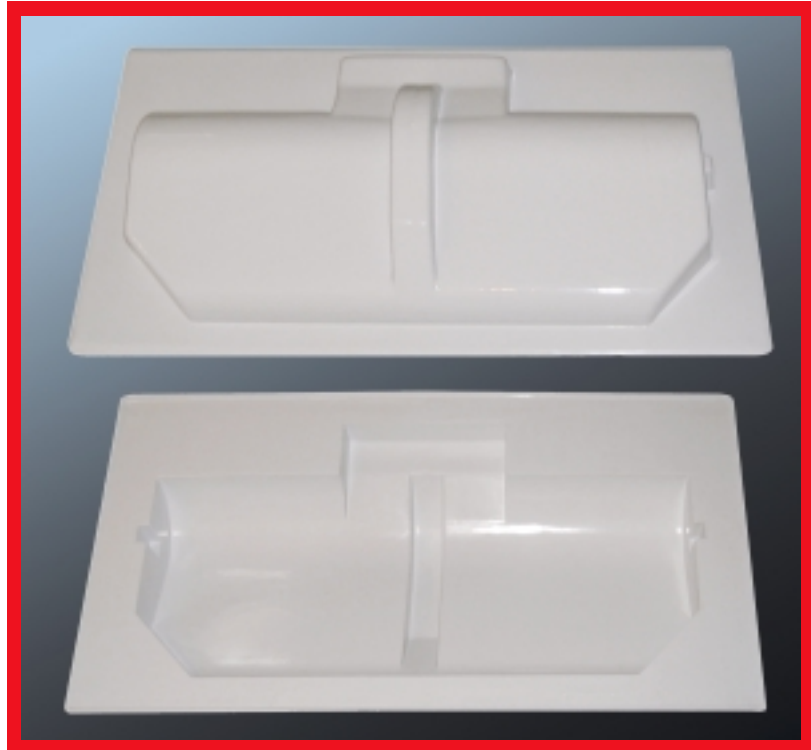


Photo courtesy of Plastic Service Center

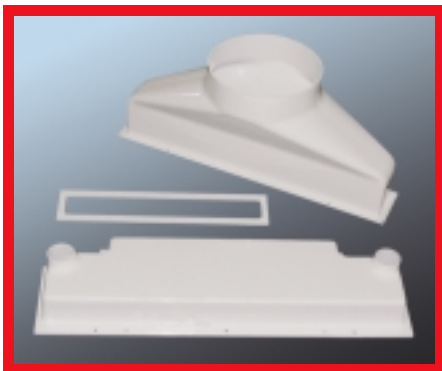


Photo courtesy of Plastic Service Center

Features

Benefits

Economics

The most economical sheet available for FM 4910 listed products

Weldability

Easy to fabricate with conventional welding equipment. It is also compatible with Corzan® 4910 CPVC.

Strength

Superior physical characteristics to handle structural applications, inserts, machining, etc.

Compatibility

Completely compatible with Corzan® 4910 CPVC systems and a broad range of semiconductor chemistry.

Fire Safe

Listed in accordance to FM 4910 fire safe materials for clean room construction JI 3010757.

Extruded Sheet

Extruded sheet offers the best surface quality and gauge consistency.



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Photo courtesy of Plastic Service Center



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Physical Properties Data Sheet

Property	English Value	Units	Metric Value	Units	ASTM Method
General					
Specific Gravity	1.5		1.5		D792
Hardness, Rockwell R	114		114		D785
Mechanical					
Tensile Strength @ 0.2"/min	7,000	psi	48	MPa	D638
Tensile Modulus @ 0.2"/min.	450,000	psi	3,103	MPa	D638
Flexural Strength	12,000	psi	83	MPa	D790
Flexural Modulus	400,000	psi	2,759	MPa	D790
Notched Izod Impact, 73°F (23°C) Tested with the grain - Compression Molded	3	ft-lb/in	160.2	J/m	D256
Thermal					
Coefficient of Linear Expansion	6.9 x 10 ⁻⁵	in/in °F	12.5 x 10 ⁻⁵	cm/cm °C	D696
HDT, 264 psi	176	°F	80	°C	D648
Flammability					
UL 2360*	FPI	1.6			
	SDI	0.06			
FM 4910*	FPI	2.00			
	SDI	0.10			Listed JI 3010575

Product Availability

Cleanroom PVC-C is available as sheets with these dimensions and thicknesses:

Color:	White
Finish:	Smooth
Thickness:	1/8" – 2"
Width:	48"
Length:	96", 120"

*Please note that the reported values are audited test results. These results meet the class 1 rating for UL 2360 and "pass" the FM 4910 criteria. Cleanroom PVC-C is an FM 4910 listed product.

Samples, welding parameters, MSDS and weld strength data are available upon request.

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Corzan® is a registered trademark of Noveon, Inc.



Photo courtesy of Penvolve



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