

Applications

- Chemical process equipment, storage
- Tank linings
- Pump, valve components
- Pipe flanges, spacers
- Components for wet process stations

Advantages

- Good thermal stability
- High tensile strength
- High impact resistance
- Excellent UV resistance
- Extremely high purity
- Flame resistant
- Easy to machine

Performance Characteristics

FDA compliant

Grades

- Static Control - Conductive

NOTE: Several grades of this material are available. For additional information regarding this plastic, contact your Emco Industrial Plastics representative or call (800) 292-9906.

PVDF PVDF [PolyVinylidene Fluoride]

PVDF, also known as Kynar®, is a highly non-reactive and pure thermoplastic fluoropolymer. It is generally used in applications requiring the highest purity, strength, and resistance to solvents, acids, bases and heat and low smoke generation during a fire event.

Kynar® PVDF maintains its useful mechanical and chemical resistance properties at temperatures up to 150°C (300°F). An additional advantage is that PVDF can be welded into tanks for acid and corrosive chemical processing in elevated temperature environments. Where load bearing is important, this PVDF fluoropolymer is rigid and resistant to creep under mechanical stress and load. PVDF is stable to sunlight, and other sources of ultraviolet radiation. In thin sections, such as films, filament, and tubing, PVDF components are flexible and transparent.

In addition to sheet goods, Kynar® PVDF is also available as piping products, tubing, films, plate, and an insulator for premium wire.

Brand Names

Kynar®1000HD, Hylar®, Sygef®, Solef®, Kynar® 740, Kynar® 2850, Chemfluor® PVDF

Emco Industrial Plastics doesn't claim to represent all of the manufacturers or trade name products listed. This list is intended as a guide of typical materials available for purchase from Emco Industrial Plastics, Inc. For additional information, contact an Emco Industrial Plastics representative at (800) 292-9906.

Availability

TYPE	SIZE	LENGTH	COLOR
Sheet	1/32" - 4" TH	12' - 48' x 12' - 96"; CTS	Natural (White)
Rod	3/16" - 12" DIA		Natural (White)
Tube	3/64" - 3/4" DIA	Std. foot lengths; CTS	Clear
Film	0.002" - 0.029" TH		
Schedule 40	1/2" - 12" DIA	20' lengths; CTS	
Schedule 80 pipe	1/2" - 12" DIA	20' lengths; CTS	
Other	Film tape, Shapes, Machined components, Hex Rods		

Give us your cut-to-size dimensions. We will precision-cut these plastics to your exact size. Additional sizes and colors available upon request.