



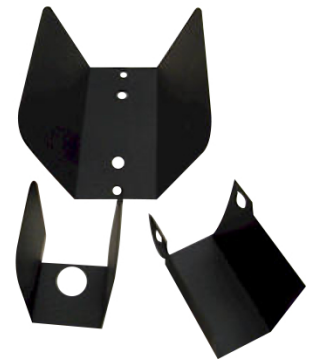
# THE GUND COMPANY

MANUFACTURERS & FABRICATORS OF ENGINEERED MATERIAL SOLUTIONS

## PolyPro FR®

Developed by The Gund Company, PolyPro FR® is a flame retardant Polypropylen extruded for electrical insulation applications in electrical and electronic power systems equipment. PolyPro FR® offers the following characteristics:

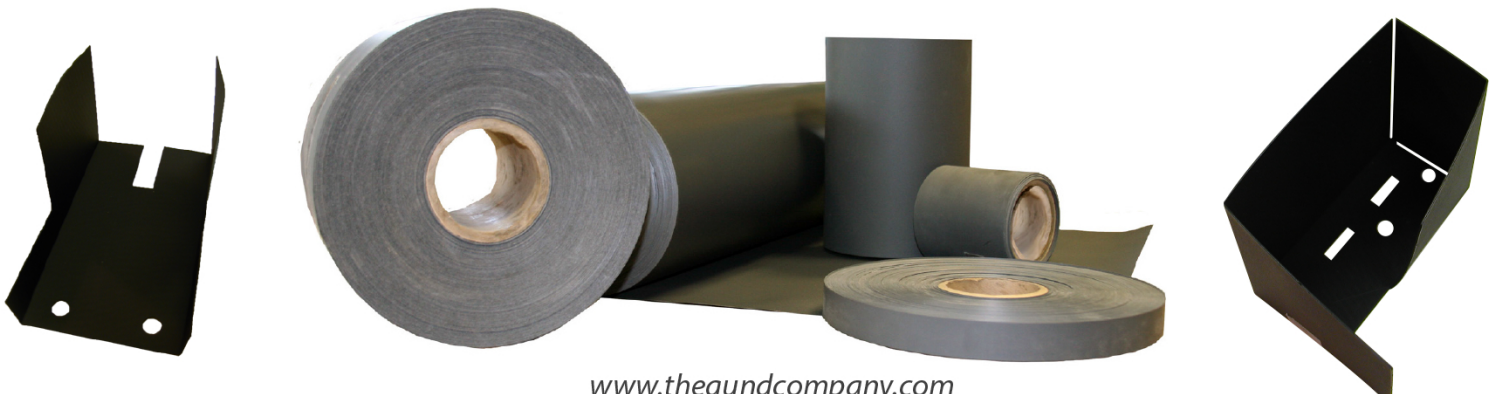
- PolyPro FR® from The Gund Company is a UL certified product: E228440
- UL 94 V-0 rated in full thickness range of 0.010" - 0.125"
- Extremely low water absorption
- Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure, and Immersion in accordance with UL 746C
- Excellent fabrication and formability characteristics
- Available in Black or White as a roll, sheet or fabricated part
- Offers temperature resistance to 110 °C per UL testing
- Provides a lower cost alternative for designs incorporating the use of materials such as Formex®, Nomex® 410, Valox, Mylar Polyester Film, Vulcanized Fibre, Voltoid, and Quin-T products
- Excellent Dielectric Breakdown strength



PolyPro FR® can be customer fabricated for a wide range of application designs. It's ability to be scored and formed allows it to be made into insulating boxes for various applications in electrical and electronic equipment.

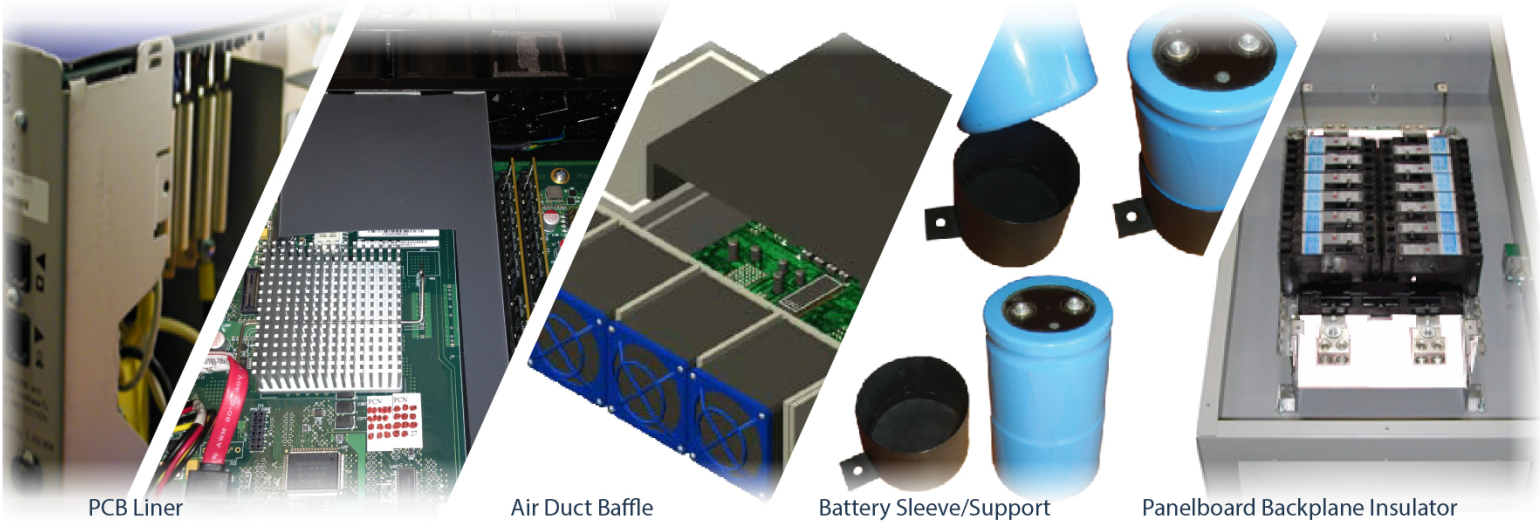
### Common Applications for PolyPro FR®

Phase-to-Phase Barriers	Fuse Board Insulation	Air Duct Baffles
Fuse Clip Insulation	Ground Insulation	Chassis / Enclosure Liner
Insulating Spacers	Formed Channels	Capacitor Insulation
Insulating Shields	Switch Insulation	Formed Angles
Terminal Insulation	PC Board Insulators	Bus Bar Insulation



Additional Applications for PolyPro FR®

Uninterrupted Power Supplies	AC / DC Power Supplies	Power Filters & Conditioners
Power Distribution Units	Battery Chargers	Switching & Fusing Equipment
Meter Cabinet Switchgear	Static Transfer Switches	Rectifiers & Inverters
Motor Control Centers	* PolyPro FR® is adaptable to a wide range of applications. Contact one of our material specialists today to review your application requirements.	



Comparative Data of Flexible Materials

	PolyPro FR®	Formex®	Vulcanized Fiber	Duroid D-100 FR	Mylar® PET FILM	Nomex® Aramid Paper	Valox®	Lexan FR 700 Polycarbonate
Flammability	UL 94 V-0	UL 94 V-0	UL 94 HB	UL 94 V-0	UL 94 HB	UL 94 V-0	UL 94 V-0	UL 94 V-0
Dielectric Strength	2,000 VPM	1,626 VPM	215 VPM	200 VPM	1,400 VPM	700 VPM	400 VPM	1,500 VPM
Tensile Strength	5,200 psi	4,400 psi	14,000 psi	12,000 psi	25,600 psi	N/A	7,500 psi	11,000 psi
Temperature Index	110° C	115° C	110° C	90° C	130° C	220° C	140° C	130° C
Water Absorption	0.01%	0.06%	66%	40%	0.01%	20%	0.04%	0.28%
Relative Cost	100%	129%	106%	123%	127%	687%	276%	236%

PolyPro FR® from The Gund Company is a UL equivalent to Formex®. PolyPro FR® offers a significant cost advantage as well as numerous other advantages over common flexible materials in the industry.