



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:

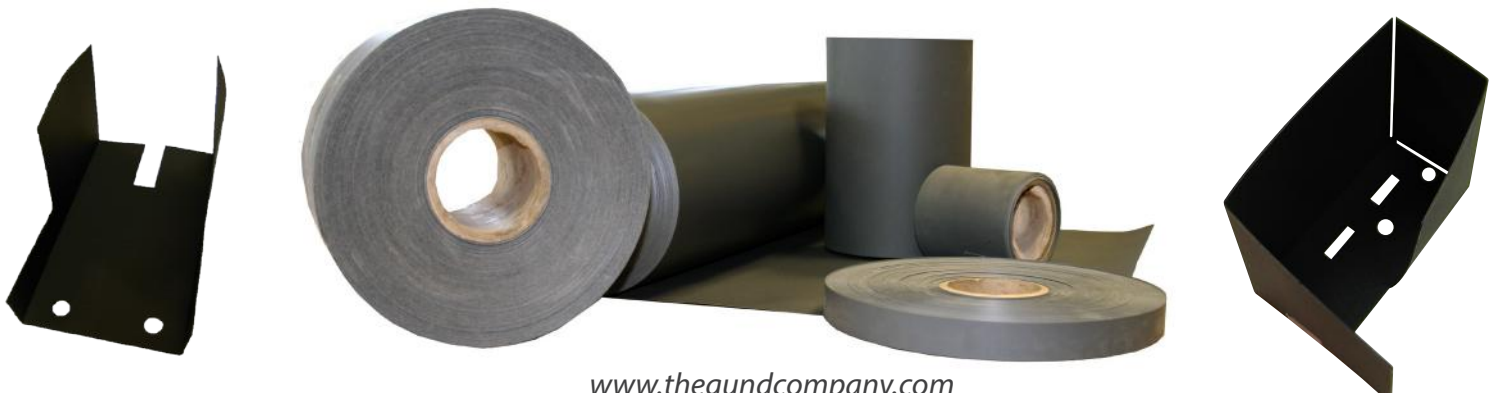
- PolyPro FR[®] from The Gund Company is a UL certified product: E228440
- UL 94 V-0 rated in full thickness range of 0.010" - 0.125"
- Extremely low water absorption
- Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure, and Immersion in accordance with UL 746C
- Excellent 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.

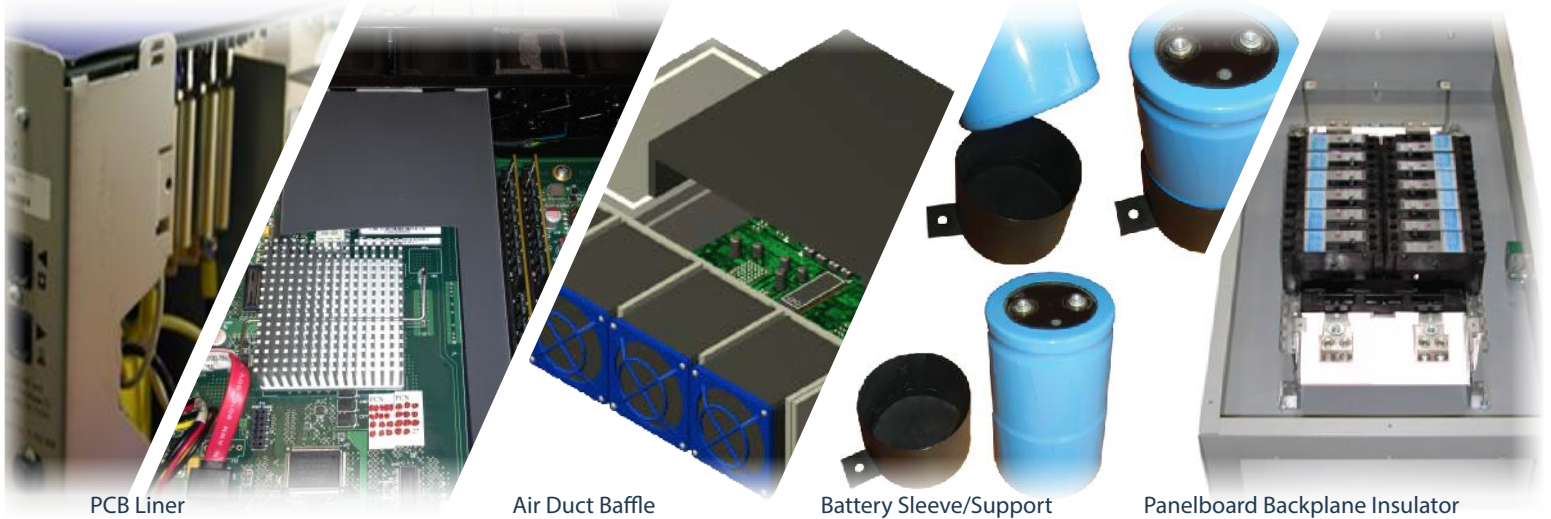
Common Applications for PolyPro FR[®]

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.	



PCB Liner

Air Duct Baffle

Battery Sleeve/Support

Panelboard Backplane Insulator

Comparative Data of Flexible Materials

	PolyPro FR®	Formex®	Vulcanized Fiber	Voltoid®	Mylar®	Metastar®	Nomex®	Valox®	Polycarb (FR700)
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	UL 94 V-0
Dielectric Strength	1,000 VPM	1,000 VPM	215 VPM	200 VPM	1,400 VPM	410 VPM	700 VPM	400 VPM	1,500 VPM
Tensile Strength	4,300 psi	4,400 psi	14,000 psi	12,000 psi	25,600 psi	N/A	N/A	7,500 psi	11,000 psi
Temperature Index	110° C	115° C	110° C	90° C	130° C	210° C	220° C	140° C	140° C
Water Absorption	0.01%	0.01%	66%	40%	0.01%	20%	20%	0.04%	0.28%
Relative Cost	\$2.00	\$2.30	\$2.20	\$2.10	\$2.00	\$12.00	\$15.00	\$3.50	\$6.00

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.