

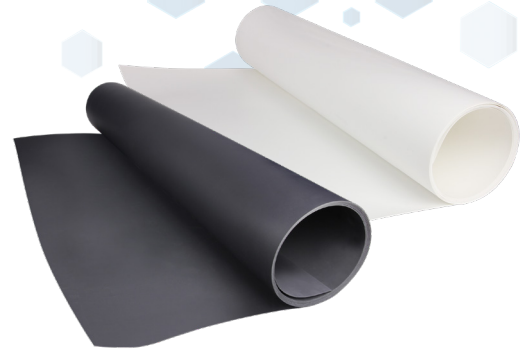


THE GUND COMPANY

MANUFACTURERS & FABRICATORS OF ENGINEERED MATERIAL SOLUTIONS

PolyPro FR® Flame Retardant Polypropylene

Developed by The Gund Company, PolyPro FR® is a flame-retardant Polypropylene extruded for electrical insulation applications in electrical and electronic power systems equipment. It can be custom-fabricated for a wide range of application designs. PolyPro FR® can be scored and formed – allowing it to be used in the manufacture of insulating boxes for various applications in electrical and electronic equipment.



POLYPRO FR® BENEFITS

UL-CERTIFIED: E228440

UL 94 V-0 RATED in the full thickness range of 0.005" - 0.125"

Extremely low water absorption

Excellent fabrication and formability characteristics

Available in Black or White as a roll, sheet, or fabricated part

TEMPERATURE RESISTANCE to 110°C per UL testing

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

Additional thickness and color available upon request

MADE AND STOCKED IN THE U.S.

COMMON APPLICATIONS

- Phase-to-Phase Barriers
- Fuse Clip Insulation
- Insulating Spacers
- Insulating Shields
- Terminal Insulation
- Fuse Board Insulation
- Ground Insulation
- Formed Channels
- Switch Insulation
- PC Board Insulators
- Air Duct Baffles
- Chassis / Enclosure Liner
- Capacitor Insulation
- Formed Angles
- Bus Bar Insulation
- Uninterrupted Power Supplies
- Power Distribution Units
- Meter Cabinet Switchgear
- Motor Control Centers
- AC/DC Power Supplies
- Battery Chargers
- Static Transfer Switches
- Power Filters & Conditioners
- Switching & Fusing Equipment
- Rectifiers & Inverters

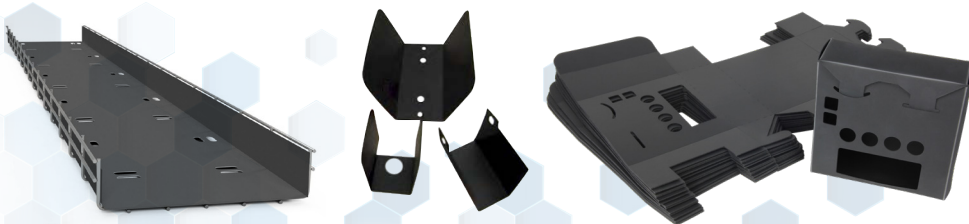
COMPARATIVE DATA OF FLEXIBLE MATERIALS

PROPERTIES	PolyPro FR®	Formex®	Vulcanized Fibre	Voltoid®	Mylar®	Metastar®	Nomex®	Valox®	Polycarb (FR700)
P Water Absorption	0.01%	0.01%	66%	40%	0.01%	20%	20.00%	0.04%	0.28%
M Tensile Strength	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
E Dielectric Strength	1,000 VPM	1,000 VPM	215 VPM	200 VPM	1,400 VPM	410 VPM	700 VPM	400 VPM	1,500 VPM
T Flammability	4,300 PSI	4,400 PSI	14,000 PSI	12,000 PSI	25,600 PSI	-	-	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

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

The Gund Company custom fabricates insulation materials to the exact specifications and drawings specified by our customers. We offer our customers the proper product for their specific application.

A variety of dimensions and diameter sizes are available. Additional thicknesses are available upon request.



PolyPro FR®

The data supplied are typical values. They are not to be considered specification values. All of the information, suggestions, and recommendations about these properties and uses of the products herein are based on tests and data believed to be accurate; however, the final determination regarding the suitability of any material described herein for the contemplated application, the manner of such use, and whether the use infringes any patents is the sole responsibility of the user. There is no warranty - expressed or implied - including, without limitation, warranties of merchantability or fitness for a particular purpose. Under no circumstances shall we be liable for incidental or consequential loss or damage.



THE GUND COMPANY

MANUFACTURERS & FABRICATORS OF ENGINEERED MATERIAL SOLUTIONS

MARKETS



Switchgear



Electronics



Power Generators



Motor Applications



Transformers



Metals Processing



Electric Vehicles



Military/Aerospace



Oil & Gas



Medical



Space

OUR EXPERTISE IS YOUR COMPETITIVE ADVANTAGE

The Gund Company provides a wide range of material solutions from rigid, glass epoxy composites to high-temperature, silicone sponges.

We take a consultative approach to understanding your application by working with your engineers and buyers to find materials that fit the application. By understanding the most important material properties, we often find cost-reduction opportunities. Our Application Engineering Teams have decades of material experience and look forward to working with you on your upcoming project.

Material Families:

- Thermoset Rigid Laminates and Composites
- Flexible Laminates, Papers, Films, and Felts
- Thermoplastic Materials
- Elastomeric Materials

Our Manufacturing Capabilities Include:

- Compression Molding
- Pultrusion
- Filament & Convoluted Wound Tube
- Infusion & B-Stage Composites Lay-up and Molding
- Injection Molding
- Extrusion of Thermoplastics

Our Engineering Capabilities Include:

- Custom Material Development
- Resin Formulation
- Laboratory Testing
- Comparative Materials Evaluation



THE GUND COMPANY GLOBAL FOOTPRINT – LOCAL SERVICE

