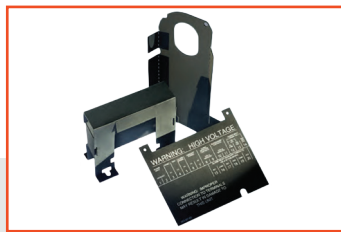


FLAME RETARDANT ELECTRICAL INSULATION MATERIALS

ITW Formex® flame retardant materials provide superior electrical insulation. The material is available in rolls and sheets and can be easily fabricated into a wide range of shapes. No other flame retardant, electrical insulating material can match the flexibility and performance of Formex™ for cost-effective fabricated parts. Formex™ has successfully replaced a variety of electrical papers, thermoplastic materials, and injected molded parts.

FEATURES & BENEFITS

- ▶ UL 94 V-0 Flame Class; RoHS Compliant
- ▶ Score and Fold to Fabricate Economical 3-Dimensional Parts
- ▶ Fold Repeatedly Without Cracking or Splitting
- ▶ High Dielectric Breakdown Strength
- ▶ Non-hygroscopic; Superior Chemical Resistance
- ▶ Lower Overall Part Cost with Thinner Materials
- ▶ Lightweight feature (specific gravity) 1.035
- ▶ Volume justified special thicknesses and configurations available by request



INSULATION

Outstanding dielectric strength properties.

Patented materials are easily fabricated to provide low-cost solutions.

Formex™ GS grade available for static sensitive applications.

May be used as a substrate with metal lamination for EMI/RFI shielding.

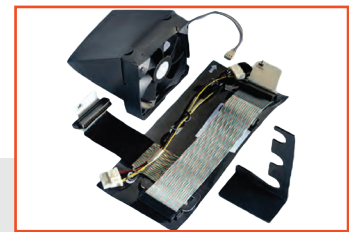


BARRIER

Formex™ materials offer superior protection due to high dielectric strength, physical strength and flexibility.

Supplied in rolls or sheets that can be printed and will accept adhesives.

Formex's unique material properties meet global standards for flame retardancy and provide superior chemical resistance.



FUNCTIONAL PARTS

Formex™ materials provide new and unique options for the design and construction of low-cost internal mechanical components.

Fabricated internal parts, such as air flow baffles and wire harness organizers, are commonly used as cost-effective replacements for plastic injection molded or sheet metal components.

PRODUCTS

▶ Formex™ GK

Comes in thicknesses of .005" .010" .017"
.030" .040" .062 and .094"

Superior dielectric strength

RTI temperature of 115°C

▶ Formex™ GL

Comes in thicknesses of .010" .017" and .026"

Flame retardant

RTI temperature of 125°C

▶ Formex™ GS

Comes in thicknesses of .010" .017" .030"

ESD Protection

Flame Retardant

RTI temperature of 115°C

▶ Formex™ N3

Halogen Free

Flame Retardant

Multi-Layer Polycarbonate Sheet

RTI temp of 130°C

MARKETS

ITW Formex® is a cost-effective UL 94 V-0 flame retardant electrical insulator in:

- ▶ Automotive
- ▶ Consumer products
- ▶ Lighting
- ▶ TVs and appliances
- ▶ Computers, data centers and computer peripherals
- ▶ Electrical and power distribution systems
- ▶ Medical equipment
- ▶ Conventional and uninterruptible power supplies
- ▶ EV/Batteries
- ▶ Telecommunications equipment

PROCESSING METHODS

Die Cutting: Including steel rule, engraved, rotary and male/female dies.

Laser or Water Jet Cutting: Advancements in technology provide rapid prototyping as well as high-speed production.

Heat Forming: Low-cost tooling and a simple process combine to produce parts with permanently formed angles.

Thermoforming: Produces complex, rigid, three-dimensional shapes.

Machining: Materials are easily fabricated with conventional machining techniques.



EFC : REDEFINING
INTERNATIONAL : THE WORLD
OF DISTRIBUTION.