



ITW Formex® Formex™ GK Flame Retardant Materials

Formex™ GK is a flame retardant polypropylene electrical insulation material. It offers superior dielectric strength, an elevated temperature rating, and exceptional moisture and chemical resistance to protect sensitive electronic elements from dielectric or environmental damage.

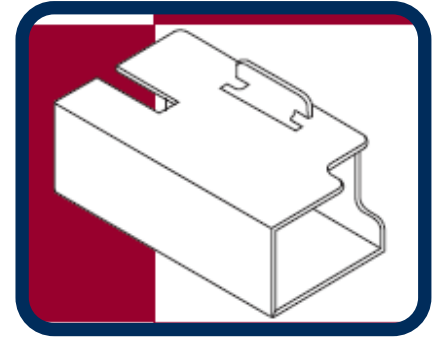
Formex™ can also be used as a physical barrier to protect individuals from the dangers of exposure to electrically charged components. **In addition, Formex™ GK can easily be scored and folded into three-dimensional shapes, making it a highly versatile product** that substantially reduces the costs associated with fabricating, warehousing, and shipping.

Characteristics of Formex™ GK

- Six variations of thickness available: GK-5 at 5 mils (0.127 mm), GK-10 at 10 mils (0.25 mm), GK-17 at 17 mils (0.43 mm), GK-30 at 30 mils (0.76 mm), GK-40 at 40 mils (1.02 mm), and GK-62 (1.57 mm)
- Color: black or natural
- Ideal for protecting the delicate components within LED lighting, IP security cameras, access control systems, and digital signs
- Easily die-cut into custom parts and components to fit your design

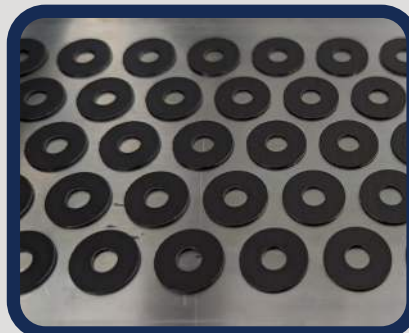
Material Specifics

- Flammability Rating UL 94 VTM-0
- H₂O absorption <0.06%
- Temperature Rating 115°C / 239°F
- Dielectric strength 2,200 Volts/mil @ 0.005"
- UL Recognized File E121855



Markets & Applications

- Electronic devices
- Power supplies, transformers, inverters
- Battery/EV insulation
- Lighting assemblies
- Aerospace systems
- Military/defense
- Automotive & marine electronics
- Medical devices





Marian is a global leader in providing precision die-cut component parts for customers in the consumer electronics, automotive, and medical industries. With over 1,000,000 square feet of production space worldwide and state-of-the-art manufacturing technologies, Marian engineers work closely with customers to solve complex manufacturing and assembly problems. Marian's responsive approach, in-depth material knowledge, innovative manufacturing capabilities, and high standards for quality all add up to provide you with the best component solutions in the industry.



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