



ELECTRICAL

There's a plastic to meet every standard and use for electrical applications. The next time you need a stable, impact-resistant, easy-to-process, safe material, think performance plastics.

APPLICATIONS

- Wire and cable insulation
- Plenum-rated wire and cable jacketing
- Arc shields
- Test boards
- Circuit boards, wiring boards
- Connectors — data, automotive, telecommunications, fiber optic
- High-voltage circuit-breaker housings
- Aircraft electrical insulators
- Radar gun lenses
- Electronic test sockets and fixtures
- Conduits

ADVANTAGES MAY INCLUDE

- Strong, high impact resistant
- Thermoformable
- Nonconductive; resistant to electricity
- Can be made static dissipative or fully conductive
- Inherently good insulator
- Chemical, UV, abrasion resistant
- Temperature resistant
- Hydrolytic stability
- Low flammability and smoke generation
- High creep resistant

MATERIALS

- Ethylene-Chlorotrifluoroethylene (ECTFE)
- Ethylene Tetrafluoroethylene (ETFE)
- Fluorinated Ethylene Propylene (FEP)
- Perfluoroalkoxy (PFA)
- Polyamide-Imide (PAI)
- Polyetheretherketone (PEEK)
- Polyetherimide (PEI)
- Polyethersulfone (PES)
- Polyimide (PI)
- Polyphenylene Ether, Modified (PPE)
- Polyphenylene Oxide (modified PPO)
- Polyphenylene Sulfide (PPS)
- Polypropylene (PP)
- Polytetrafluoroethylene (PTFE)
- Polyvinyl Chloride (PVC)
- Polyvinylidene Fluoride (PVDF)
- Styrene Maleic Anhydride-Polycarbonate (SMA-PC)
- Thermoplastic Polyesters — Polybutylene Terephthalate (PBT), Polythramethylene Terephthalate (PTMT), Polyethylene Terephthalate (PET)
- Thermoset Industrial Laminates — Epoxy, Melamine, Silicone, Polyester, Industrial
- Thermosets (Phenolics) Paper and Cotton Grades
- Vulcanized Fibre



DID YOU KNOW?

The first synthetic plastic developed for the electrical/electronics industry, Bakelite, was created to replace Shellac, a resin secreted by the female lac bug in India and Thailand.