MODERN plastics
Improving Life with Plastics!™



ALTERNATIVE ENERGY

Performance plastics play an important role in the production of solar, wind, wave, biofuels, geothermal and hydrogen equipment components.

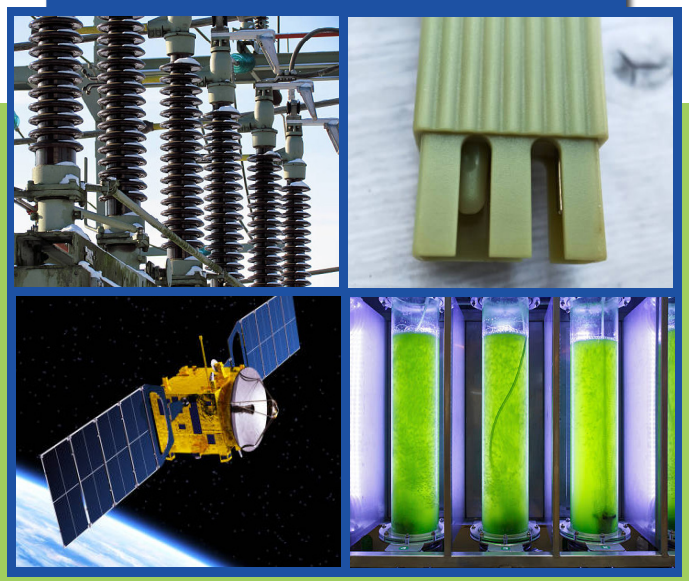
ADVANTAGES MAY INCLUDE

- Lightweight
- Ease of fabrication
- Recyclable
- Corrosion and chemical resistant
- Impact and fatigue resistant
- Stiff or flexible
- Excellent bearing and wear characteristics
- Weatherability
- Low creep and warpage



Request a quote!

CONTACT US
email sales@modernplastics.com



APPLICATIONS

Fusion energy
- Electrical & Thermal Insulation
- Cryogenic Systems & Vacuum Components
- Neutron Shielding & Radiation Modernization
- Diagnostic Systems
- Optical Components
- Fuel Handling & Pellet Injection
- Structural Composites in Hot Zones
- Containment & Maintenance

Biofuel
- Feedstock Collection & Handling
- Pretreatment & Processing Equipment
- Fermentation & Bioreactors
- Storage & Transportation
- Membranes & Filtration
- Biogas $ Renewable Natural Gas
- Safety, Maintenance & infrastructure

Wind & Solar
- Plain Bearings
- Thrust Washers
- Bushing and sliding elements
- Gear housings
- Lubrication systems
- Electrical Insulation
- Cable management

Hydrogen Fuel Cells
- Bipolar Plates
- Seal, Gaskets & O-Rings
- Membrane Support & Structures
- Storage & Handling
- Electrical Insulation & Dielectric Components
- Coolant Systems

MATERIALS

- Acetal — **POM**
- ABS
- Glass Epoxy Thermosets — **G-10**
- Nylon — **PA**
- Polyamide-imide — **PAI**
- Polycarbonate — **PC**
- Polybutylene — **PBT**
- Polyetheretherketone — **PEEK**
- Polyethylene — **PE**
- Polyethylene terephthalate — **PET**
- Polyphenylene Oxide — **PPO**
- Polyphenylene Sulfide — **PPS**
- PTFE — **Teflon®**

***Note** — materials may be available with glass, carbon or PTFE fillers*

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