MODERN plastics
Improving Life with Plastics!™



TRANSPORTATION

Trains, buses, trucks, boats and RVs are lighter weight, more durable, safer and more comfortable thanks to performance plastics. In both aesthetic and structural/bearing applications, plastics help you travel further for less money.

ADVANTAGES MAY INCLUDE

- Lightweight
- Corrosion resistant
- Low friction
- High impact
- Self-lubricating
- Reduced wear/maintenance
- Thermal insulating or conductive
- Electrical insulating or conductive
- Low flammability and smoke generation
- High strength
- Dimensionally stable

Request a quote!

CONTACT US
email sales@modernplastics.com



APPLICATIONS

Automative & EV

- Powertrain bushings, thrust washers, wear pads
- EV motors, insulators, spacers, bushing, bearings
- Battery system insulators, spacers, covers, brackets
- Fuel system valve seats, pump components, seals
- Rotor/stator components
- Wire guides, cable routing

Rail, Bus & Mass Transit

- Door rollers and guides
- Window mechanisms
- Seat components
- Brake system components
- Pantograph components
- Cable supports
- Electrical Insulation
- Bearing and wear components
- Coupling components
- Interior Structural Components

Commercial Trucks and Heavy Equipment

- Bushings, pivot bearings, seals, thrust washers
- Hydraulic components
- Valve components
- Cable guides
- Conveying/handling components
- Wear strips and guides
- Truck lining

MATERIALS

- Acrylic — **PMMA**
- Fiberglass Reinforced Polymers — **FRP, GPO1**
- High Density Polyethylene
- Nylon
- Phenolic — **X, CE, LE, G3, G7, G10**
- Polyamide-Imide — **PAI Torlon®**
- Polycarbonate
- Polytetrafluoroethylene — **PTFE**
- Polyetheretherketone — **PEEK**
- Polyphenylene Sulfide — **PPS**
- Polyetherimide — **Ultem**
- Polyvinylidene fluoride — **PVDF**
- Polyethylene – **UHMW**

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