

Characteristics →
Materials ↓

Chemical Resistance
FDA/NSF Compliance
Flame Retardant & Low Smoke Fume
High Heat Resistance
Low Friction & Wear
Low Temp. Use
Snap For Assembly
Static Dissipative
Strength/ Stiffness/ Low Weight
UV Resistance
Water Resistance

| | | | | | | | | | | | |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|
| Acrylonitrile Butadiene Styrene | - | - | - | - | - | - | ✓ | - | ✓ | - | ✓ |
| Acrylic | - | ✓ | - | - | - | - | ✓ | - | ✓ | - | ✓ |
| Acrylic Styrene Acrylonitrile | - | - | - | - | - | ✓ | ✓ | - | ✓ | ✓ | - |
| Fluoropolymers | ✓ | - | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | ✓ | ✓ |
| Liquid Crystal Polymer | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | ✓ | ✓ | - |
| Nylon 6 | - | ✓ | - | - | ✓ | - | ✓ | - | - | ✓ | - |
| Nylon 6/6 | - | ✓ | - | - | ✓ | - | ✓ | - | ✓ | ✓ | - |
| Nylon 11 | ✓ | ✓ | - | - | ✓ | ✓ | ✓ | - | - | ✓ | ✓ |
| Nylon 12 | ✓ | ✓ | - | - | ✓ | ✓ | ✓ | - | - | ✓ | ✓ |
| Polyetheretherketone | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | - | ✓ | - | ✓ |
| Polyetherimide | - | ✓ | ✓ | ✓ | - | ✓ | ✓ | - | ✓ | - | ✓ |
| Polyethersulfone | - | - | ✓ | ✓ | - | - | ✓ | - | ✓ | - | - |
| Polycarbonate | - | ✓ | ✓ | ✓ | - | - | ✓ | - | ✓ | ✓ | ✓ |
| Polyolefins | ✓ | ✓ | - | - | ✓ | - | ✓ | - | - | - | ✓ |
| Polyphenyleneoxide, Modified | - | - | - | ✓ | - | ✓ | ✓ | - | ✓ | - | ✓ |
| Polystyrene | - | ✓ | - | - | - | - | ✓ | - | ✓ | - | ✓ |
| Polysulfone | - | ✓ | ✓ | ✓ | - | - | ✓ | - | ✓ | - | - |
| Polyvinylchloride | - | ✓ | - | ✓ | - | - | ✓ | - | ✓ | - | ✓ |
| Thermoplastic Elastomer | ✓ | ✓ | - | - | - | ✓ | - | - | - | ✓ | ✓ |

Characteristics →
Materials ↓

Chemical Resistance
FDA/NSF Compliance
Flame Retardant & Low Smoke Fume
High Heat Resistance
Low Friction & Wear
Low Temp. Use
Snap For Assembly
Static Dissipative
Strength/ Stiffness/ Low Weight
UV Resistance
Water Resistance

| | | | | | | | | | | | |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|
| Aluminum Flake | - | - | ✓ | - | - | - | - | ✓ | - | - | - |
| Aramid Fiber | ✓ | - | - | ✓ | ✓ | ✓ | - | - | ✓ | - | - |
| Carbon Powder | - | - | - | - | - | - | - | ✓ | ✓ | ✓ | - |
| Flame Retardant Package | - | - | ✓ | - | - | - | - | - | - | - | - |
| Glass Bead | ✓ | - | ✓ | ✓ | - | - | ✓ | - | - | - | - |
| Glass Fiber | ✓ | - | ✓ | ✓ | - | - | ✓ | - | ✓ | - | - |
| Graphite Fiber | - | - | - | ✓ | ✓ | - | - | ✓ | ✓ | ✓ | - |
| Minerals | - | - | ✓ | ✓ | - | - | - | - | ✓ | - | - |
| Molybdenum Disulfide | - | - | - | - | ✓ | - | - | - | - | - | - |
| Stainless Steel Fibers | - | - | ✓ | - | - | - | - | ✓ | - | - | - |
| UV Resistance Package | - | - | - | - | - | - | - | - | - | ✓ | - |
| Polytetrafluoroethylene | ✓ | - | - | - | ✓ | - | - | - | - | - | - |