

E Glass Applications

Polymer	Application	Characteristics	Advantages
Polycarbonate (PC)	Office Equipment	Weather Resistance Mechanical Properties	Reduced Warpage Improved Dimensional Stability Reduced Anisotropy
Polyphenylene Ether (PPE)	Office Equipment Computer Parts	Close Dimensional Tolerances	Reduced Warpage Reduced Shrinkage Improved Dimensional Stability
Acrylonitrile - Butadiene - Styrene (ABS)	Office Equipment	Weather Resistance Mechanical Properties	Reduced Warpage Improved Dimensional Stability Reduced Water Absorption Reduced Water Permeability
Engineering Polymers: Polyethylene Terephthalate (PET) Polybutylene Terephthalate (PBT)	Electrical Parts Automotive Parts	Heat Resistance Chemical Resistance Mechanical Properties	Reduced Warpage Isotropic Properties Improved Dimensional Stability High Weld Strength Impact Strength Colour Flexibility Will not React with Polymer at High Processing Temperatures
Polypropylene (PP)	Automotive Parts	Weld Strength Weather Resistance Heat Resistance Isotropic Mechanical Properties	Reduced Warpage Improved Dimensional Stability

Applications

All Polymers

In-Situ Barrier within the Component

Multi-Barrier Layer in Sub Surface Region

Reduced Water / Fluid Absorption
Chemical Resistance
Wear Resistance

Glass Reinforced Composites Gel Coats

In-Situ Barrier within the Structure

Multi-Barrier Layer in Sub Surface Region

Reduced Water / Fluid Absorption
Chemical Resistance
Wear Resistance

Polyurethane

Reaction Reinforced Injection Moulding (R RIM) for Automotive Parts

Close Dimensional Tolerances
Isotropic Mechanical Properties
Fatigue Resistance
High Quality Surface Finish
Low Thermal Expansion Coefficient

Dimensional Stability
Isotropic Mechanical Properties
Impact Properties
High Elongation
High Toughness
Good Surface Finish
Reduced Thermal Expansion Coefficient

- Microglas® Flake and Fleka®
 - Features
 - Advantages
 - C Glass
 - E Glass
 - Fleka
 - Applications
- Microglas® Metashine®