iapd
international association of plastics distribution

AEROSPACE

Performance plastics are used in numerous aerospace applications to improve safety, reduce costs, save fuel and improve passenger comfort.

APPLICATIONS

- Landing gear components
- Electrical and thermal insulators
- Transparency to electromagnetic signals
- Windows, canopies, dust covers
- Interior wall panels and luggage compartments
- Ventilation ducting and seals
- Trays and tray tables
- Pipes and tubing
- Fasteners
- Mirrors
- Wiring conduits
- Bushings and bearings
- Seals
- Collapsible air duct ribs

ADVANTAGES MAY INCLUDE

- Lightweight
- Reduced maintenance
- Design flexibility (colors, textures)
- Thermoformability
- Corrosion resistant
- Chemical and impact resistant
- Good insulator
- Easily fabricated
- Broad range of being temperature resistant
- Flame, smoke and toxicity resistant

MATERIALS

- Acetal (POM)
- Acrylic (PMMA)
- Acrylonitrile-Butadiene-Styrene (ABS)
- Fluorinated Ethylene Propylene (FEP)
- Perfluoroalkoxy (PFA)
- Polyamide (PA)
- Polyamide-Imide (PAI)
- Polyarylsulphone (PAS)
- Polycarbonate (PC)
- Polyetheretherketone (PEEK)
- Polyetherimide (PEI)
- Polyethylene (PE)
- Polyimide (PI)
- Polyphenylene Oxide (modified PPO)
- Polyphenylene Sulfide (PPS)
- Polytetrafluroethylene (PTFE)
- Polyvinyl Chloride (PVC)/Acrylic
- Thermoset Composites (phenolics)

DID YOU KNOW?

Thanks to performance plastics, the Airbus Extra Long Range (XLR) series will burn fuel per passenger at a rate comparable to that of an economical family car or better.

6734 West 121st Street I Overland Park, KS 66209 I +913.345.1005 I www.iapd.org I iapd@iapd.org