



APPLICATIONS OF G-PAEK

1] AUTOMOTIVE

Engine: Oil pump, Mass Balance Gear, Cam Shaft Bearing, Washer, Turbocharger Impeller

Transmission: Seal ring, Thrust Washer, Check Ball, Fork Pad

Steering/Suspension: EPS Gear, Steering Column Adjust, Ball Joints, Column Sleeve

Seat Adjustment: Worm Gear

Damper/Clutch: Friction Ring, Washer

Lighting: Lamp Socket

Fuel Management: Bushing, Pump Shoe, Fuel Liner, Quick Connect

Electronic/Sensor: Wiring, O2Sensor

HVAC: Compressor Seal, Gears Mode Door

Door Modules: Door Hinge, Roller, Gears

Small Motor: Thrust Plug, Washer

Vacuum Pumps: Tip, Vane, Rotor

Brakes: Tappet, Piston

2] AIRCRAFT

Unmanned Aerial Vehicle (UAV) structures, transport planes (C-17) fuel line isolator, cargo rollers, avionics, connectors, braided sleeves, fighter and helicopter structures.

3] ELECTRONICS

Signal Relays, Interposer Covers, Capacitor Covers, Connectors, Battery Components, Telecom Coaxial Plugs, Microphone Spacer Films, Gaskets for Secondary Batteries or Capacitors, Printer/Copier Parts-Gears, Split Fingers, Bushings, Fuser Rollers.



4] FOOD APPLICATIONS

Components for machines and equipment for food and beverage processing, e.g., ovens, freezers, fryers, mixers, ultra filtration membranes, filling machines, etc.

Production of food containers for heating or cooking in an oven, microwave or combi-oven

Injection moulded parts such as bearings, seats and seals that are used in appliances and food processing equipment.

Components for aseptic processing and packaging equipment.

As a fibre or fabric, in filters, conveyor belts and as a replacement for metal bristles in food brushes.

As a coating, predominantly for the coating of metal components in food-processing equipment, consumer and industrial cookware and bakeware.

5] MEDICAL

Tubing Housings, Endoscopy, Chromatography, Catheters, Gears, Laparoscopy, Chemical Testing, Blood Management, Bushings, Electrosurgical, Bio-Hazard Handling, Drug Delivery, Valves, Operating Room, Dialysis Hardware, Sterilizing Hardware, Dental Tools Pumps & Motors

6] OIL & GASES

Data logging tools, Seals and back up rings, Cable insulation, Cable ties, Down-hole / sub-sea connectors, Plugs and packers, Submersible motor parts, Bearings and bushings, Compressor parts

7] TEXTILES

Bearings and Bushings, Yarn and Thread Guides, Wear Plates, Fuse Pressing Belts

8] COATING

Electrostatic coating, cookwares, industrial part coating,