

**SIMPLY NO
SUBSTITUTE**

Duratron® Family of Products

Acetrion®
GP

Duratron®
PAI, PEI, PI, PBI

Ertalyte®
PET-P

Fluorosint®
PTFE

Ketron®
PEEK

Nylatron®
PA6

Sanalite®
HDPE/PP

Semitron®
ESd

Symalite®
Fluoropolymer

Techtron®
PPS

TIVAR®
UHMW-PE



Duratron® T4203 PAI

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- Best toughness and impact strength of all Duratron PAI grades
- Good electrical insulating ability

Applications : High Temperature Electrical Connectors, Bearing cages, Can Mandrel, Chip Nests and Sockets

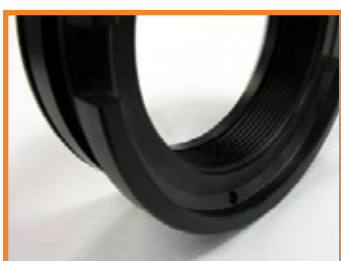


Duratron® T4301 PAI

Duratron® T4301 PAI

- Very low expansion rate
- Exhibits little or no slip-stick in use
- Flexural modulus of 1,000,000 psi

Applications : Bearing Cages, Non-lubricated Bearings, Seals, Reciprocating Compressor Parts, Sliding Compressor Vanes



Duratron® T4540 PAI

Duratron® T4501 PAI

- Higher compressive strength
- More load carrying capability than Duratron T4540
- Used for larger shapes

Applications : Bearing Cages, Non-lubricated Bearings, Seals, Reciprocating Compressor Parts

Duratron® T4540 PAI

- Very low coefficient of friction
- Excellent wear resistance in bearing grades
- Superior resistance to elevated temperatures

Applications : Labyrinth Seals, Wear Rings, Bushings, Bearings



Duratron® PAI

Duratron® T5030 PAI

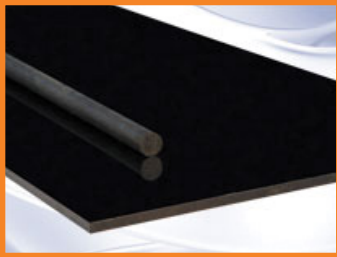
- 30% glass-reinforced
- High rigidity, retention of stiffness, a low expansion rate and improved load carrying capabilities
- High temperature stability

Applications : Electrical/Electronic, Business Equipment, Aircraft and Aerospace Industries, High Temperature Electrical Connectors



QUADRANT

Duratron® Family of Products Cont.



Duratron® U1000 PEI

Duratron® T5530 PAI

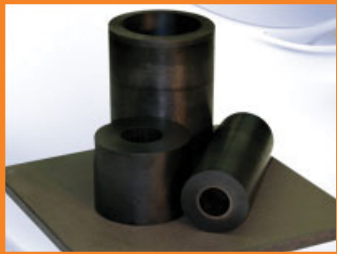
- 30% glass-reinforced
- Selected for larger shapes
- Greatest degree of dimensional control

Applications : Electrical/Electronic, Business Equipment, Aircraft and Aerospace Industries, High Temperature Electrical Connectors, Chip Nest and Sockets

Duratron® T7130 PAI

- 30% carbon fiber-reinforced
- Exceptional stiffness
- Nonabrasive wear performance
- The lowest coefficient of thermal expansion

Applications : Metal Replacement, Sliding Vanes, Aerospace Parts, Impellers, Shrouds, Pistons, Housings



Duratron® PBI

Duratron® PBI

- Highest mechanical properties of any plastic above 400°F (204°C)
- Lowest coefficient of thermal expansion and highest compressive strength of all unfilled plastics

Applications : High Heat Insulator Bushings, Electrical Connectors, Ball Valve Seats

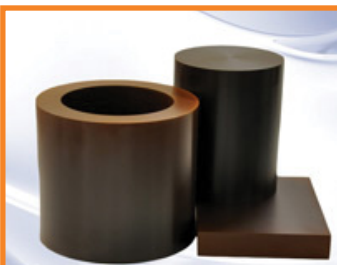


Duratron® U2300 PEI

Duratron® PEI

- High strength and performs in continuous use to 340°F (170°C)
- High dielectric strength
- UL 94-V-0 rated with low smoke output
- Available in glass-reinforced grades

Applications : Surgical Probes, Pharmaceutical Manifolds, Insulators, Clamps



Duratron® PI

Duratron® PI

- Good performance at elevated temperature (>800°F)
- High strength, tough and dimensionally stable
- Easily machined from a broad range of shapes - rod, sheet, tubular forms

Applications : Valve and Pump Seats, Seals and Wear Surfaces, Structural and Wear Parts for Semiconductor and Electronics Manufacturing, Metal Replacement for Aerospace Components

All statements, technical information and recommendations contained in this publication are presented in good faith, based upon tests believed to be reliable and practical field experience. The reader is cautioned, however, that Quadrant Engineering Plastic Products does not guarantee the accuracy or completeness of this information and it is the customer's responsibility to determine the suitability of Quadrant's products in any given application.

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