

Ertalyte PET (Polyethylene Terephthalate) Polyester



PET is polyethylene Terephthalate, available in sheet and rod form from Allplastics. It is one of the hardest industrial plastics and exhibits high mechanical and creep strength, together with low thermal expansion, very good sliding properties and high dimensional stability as it is virtually unaffected by ambient moisture.

PET is especially recommended for uses with close-tolerance, precision moving parts which require relative low friction and are subject to sustained high loadings and wear.

PET (Polyester) is easily machined, can be glued, is nontoxic and has FDA approval.

Key Features:

- High mechanical strength
- Excellent wear resistance
- Tough & dimensionally stable
- Low moisture absorption
- Good chemical resistance
- Good creep resistance
- Low coefficient of friction
- Suitable for food contact
- Easy to machine
- Higher resistance to a broad range of acids than nylon.
- Hot water resistance is low
- Impact resistance is not as high as Nylons

PET is available in a range of brands including **Ertalyte** and **Ertalyte TX** (self lubricated). Used application where Acetal's micro porosity in the centerline is not desirable.

Temperature rating: up to 100°C, 160°C short term

Applications:

Suitable for structural applications, gears, distribution valves, friction strips, dynamic seals, bushes, packaging machinery parts, bearings and rollers. Medical components Mandrels, liquid and gas proof parts.

Availability:

Colours: White, Black, Grey (Ertalyte TX grade).
Sheet Size (mm): 2000x1000, 3000x500.
Sheet thickness (mm): 4 to 100.
Rod Dia (mm): 10 to 150.
Rod & Tube length (mm): 3000.

Cut pieces and other sizes available upon request.

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