



## CENTROLYTE PET

### Good chemical resistance and dimensionally stable

Polyethylene terephthalate are Thermoplastic processed, saturated polyester, which result from terephthalate acid and ethylene-glycol. PET-plastics contain high crystallinity and are considered a sliding material with high mechanical strength and excellent dimensional stability. They are stiff, dimensionally stable and impact resistant at low

temperatures. The shape retention in heat, extends close to the melting point of 255 °C. Polyethylene terephthalate are often used as gear wheels, roller bearings or ball bearing shells in machinery construction.

## MATERIAL PROPERTIES

Water absorption:	less good
Strength, Hardness, Toughness:	good
Temperature for usage in air:	good
Dimensional stability, Heat distortion temperature:	very good
Bond-, Weld- and Machinability:	good
Acid and Chemical resistance:	good

## PRODUCT INFORMATION

Designation:	Polyethylene terephthalate
Other names:	Ethylenterephthalatpolymere
Abbreviation ISO 1043:	PET
CAS-Number:	25038-59-9
Type of polymer:	Thermoplastic
Molecular Shapeula:	C10H8O4



## FIELD OF APPLICATION

- > Coil bodies
- > Covers
- > Precision plain bearings

## MODIFICATIONS

- > PET
- > PET FG
- > PET ZX