



TECHNICAL DATA SHEET

Compound :

PBT

Polybutylene terephthalate

ORIGINAL PROPERTIES : Analysis on supplier laboratory compound

General Description

The polybutylene terephthalate (PBT) is a thermoplastic polymer that is used as an insulator in the electrical and electronic. Industry the PBT is a semi-crystalline thermoplastic polymer and is part of the family of polyester. The PBT is resistant to solvents, has a slight dimensional shrinkage only in the production phase, is mechanically robust and resistant to heat up to 150 ° C (302 ° F) or 200 ° C (392 ° F) if reinforced with fiberglass.

Available

All kind of hardness. Natural or glass reinforced.

Physical-mechanical
characteristics

*Great strength
High resistance to temperatures of continuous operation (up to 150 ° C, 200 ° C if glass reinforced)
High yield strength, even at high temperatures
High rigidity and hardness
Good properties of friction and abrasion resistance
High dimensional stability
Good resistance to atmospheric agents
Absence of cracks caused by environmental stress*