



## 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*