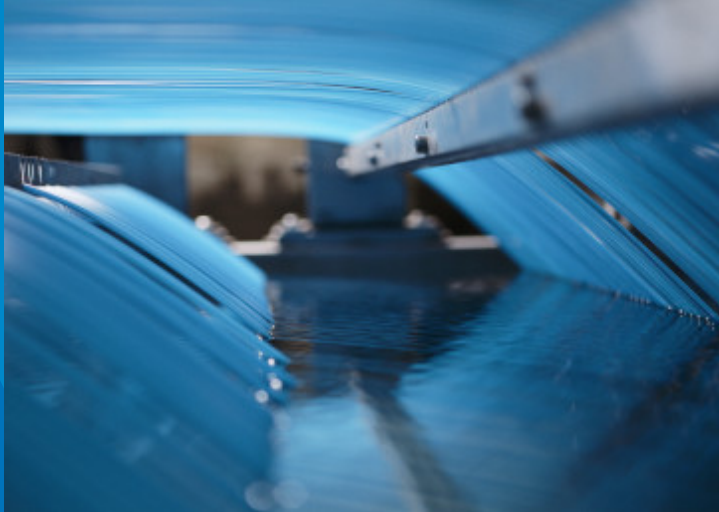


# PBT

(Polybutylene terephthalate)



## DESCRIPTION

**PBT** (Polybutylene terephthalate) is a high-performance technopolymer with great versatility. Thanks to its high heat resistance and mechanical properties, **PBT** monofilament is widely used in the technical and industrial brushing industry.

**PBT** monofilament has excellent bend recovery, excellent resistance to abrasion and UV rays. It is a product suitable for contact with food.

**PBT** monofilament is not hygroscopic and is able to maintain its stiffness, whether working in a dry environment or in the presence of water.

## WHERE TO USE

- Brushes for contact with food
- Technical and industrial brushes
- Personal care brushes

## COLOURS

**PBT** is available in black or in the various colours from our range, including those suitable for contact with food.

## SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

**PBT** is an article and referring to the current European regulations (Reg. 1906/2007/CE - REACH) does not require the preparation of the Safety Data Sheet.

During use, it is recommended to wear gloves and goggles and follow the safety requirements of the workplace.

PRODUCT FOR PROFESSIONAL USE.

## TECHNICAL DATA (typical values)

### PRODUCT IDENTITY

**Composition:**

PBT, PE-based master batches

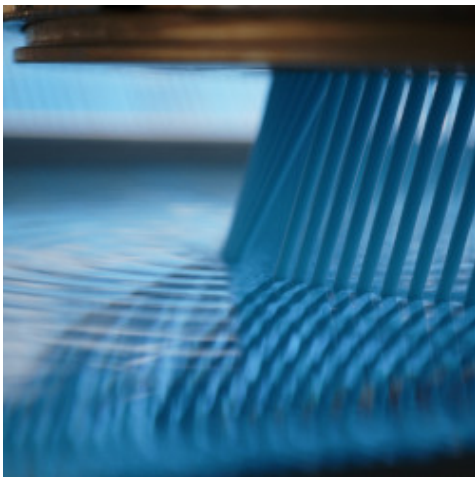
**Consistency:**

monofilaments

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Length:	all lengths available up to a maximum of 1200 mm maximum tolerance foreseen $\pm 2$ mm - for cut only 1200 mm $\pm 5$ mm tolerance
Use:	brushes for contact with food technical and industrial brushes personal care brushes
Colours:	black or various colours to choose from the catalogue
Density:	1.30 - 1.34 g/cm <sup>3</sup>
Maximum operating temperature:	+130°C
Water absorption:	< 0.5%
Combustibility:	flammable
Abrasion strength:	excellent
UV strength:	excellent
Chemical resistance:	stable when in contact with mild and strong acids (not resistant to hydrofluoric acid), stable to mild and strong alkalis, inorganic salts, not resistant to halogens to oxidised compounds and paraffinic hydrocarbons, moderately stable to alcohols, ethers and esters, very stable to esters and amines, as well as to aromatic compounds, mineral oils, fuels, and vegetable fats and oils.
Mechanical details:	excellent abrasion resistance



## WARNING

Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application; for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application.

Please refer to the current version of the technical data sheet, available from our website [www.mapei.com](http://www.mapei.com) [www.mapei.com](http://www.mapei.com)


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