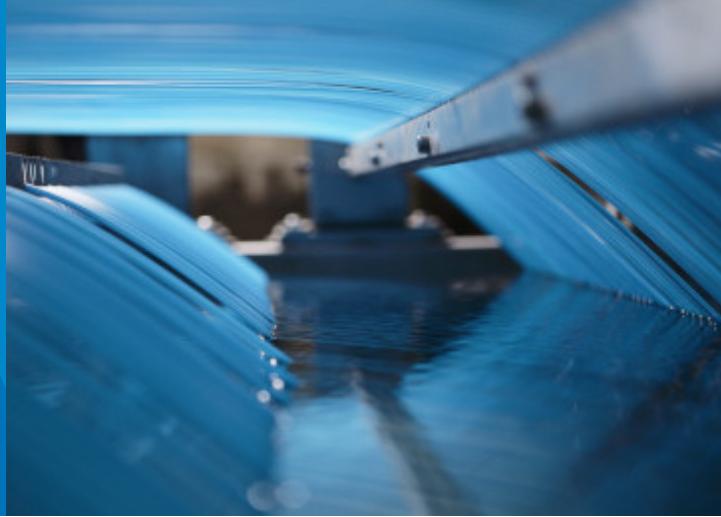


PBT

(Polybutylene terephthalate)



DESCRIPTION

PBT (Polybutylene terephthalate) is a high-performance technopolymer with great versatility.

Thanks to its high heat resistance and mechanical properties, **PBT** monofilaments are widely used in the technical and industrial brush manufacturing.

It is a product suitable for food contact applications.

PBT monofilaments are non-hygrosopic and keep their stiffness, whether working in a dry environment or in the presence of water.

WHERE TO USE

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

COLOURS

PBT is available in black or in several colours of our range, including colours suitable for food contact applications.

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.

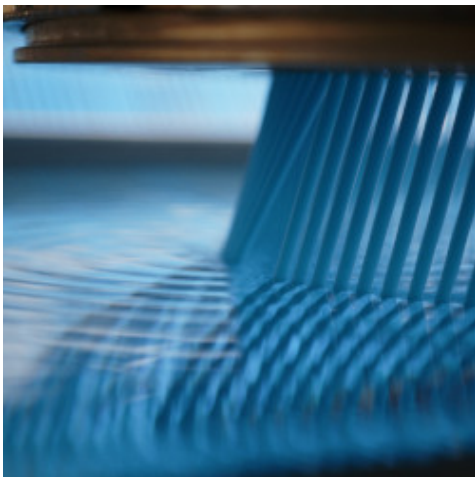
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TECHNICAL DATA (typical values)

PRODUCT IDENTITY

Composition:	PBT, PE-based master batches
Consistency:	monofilaments
Length:	all lengths available up to a maximum of 1200 mm maximum tolerance foreseen ± 2 mm - for cut only 1200 mm ± 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 ³
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 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. Medium alkali resistance. Particular attention is required when used in alkaline environments
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

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The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement or replace requirements per the TDS in force at the time of the MAPEI product installation.

The most up-to-date TDS can be downloaded from our website www.mapei.com. www.mapei.com.

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