

PBT

Polybutylene-terephthalate bristles for brushes and brooms

Because of their high heat-resistance and excellent mechanical properties PBT bristles are ever more widely used materials in the brush industry. It is a little softer and has somewhat lower strength and stiffness than PET with good friction properties and abrasion resistance. Furthermore, it is weatherproof and has good stress corrosion resistance.

Physical and chemical characteristics

Density:	1,30-1,35 g/m ³
Tensile strength:	120-200 N/mm ²
Elongation at break:	30-35 %
Melting point:	220-230°C
Heat resistance:	tartós hőhatásnak 100°C-ig ellenáll

Chemical resistance (on 20°C)

Alkalis, strong acids:	poor resistance
Weak acids:	good resistance
Alcohols:	good resistance
Organic solvents:	excellent resistance

Fields of application

Household and body-care brushes, brooms, industrial and technical brushes

Quality alternatives

Possible bundle length: 35-2000 mm

Normal – oiled



Straight (level)



Crimped: we can offer ten types of crimping

Profile types



Round / Oval



Y profile

Colours

Our standard colours are given in our colour sample collection. In case of significant quantity is demanded, also different colours can be manufactured.





Size range

- Fine brush bristles: 0,18-0,29 mm
- Brush bristles: 0,30-0,59 mm
- Broom threads: 0,60-3,00 mm

Packing

Fibre diameter below 0,50 mm: PE foil tube with bundle diameter 55-57 mm or 58-60 mm in accordance with demand

Transportation

In cartons, fixed to pallet; as required.



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