

PP

Polypropylene bristles for brushes and brooms

The widely applicable rigid polypropylene (PP) fibres has low density, so they have favourable yield and low costs. Polypropylene does not accept moisture, pollution and smells. Its rigidity is excellent even if it is wet, not fragile and neutral to most solvent, oils, acids and chemical agents. It is the most chemoresistant synthetic fibre, that can be produced in UV stabilized version.

Physical and chemical characteristics

Density: 0,90-0,91 g/cm³
 Melting point: 171°C
 Vitrification temperature of the amorphous phase: -15°C

Chemical resistance (on 20°C)

Chemical resistance of polypropylene is excellent.

Fields of application

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

Quality alternatives

Possible bundle length: 35-2000 mm

Not oiled: for manual use

Oiled: for process with high-speed machines

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Straight (level)



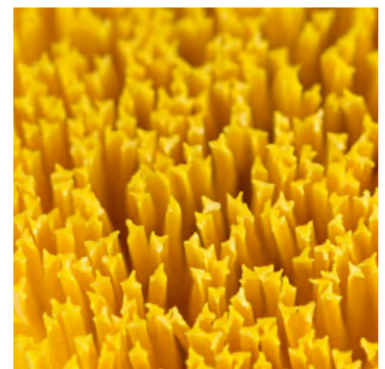
Crimped: we can offer ten types of crimping marked with numbers 1-9 and letter "A".

Crimp no.	Length of crimp (mm)	Amplitude (mm)
1	12-14	0,8-1,0
2	10-12	1,0-1,2
3	8-10	1,2-1,5
4	1,4-1,6	0,5-0,8
5	5-5,5	1,2-1,5
6	6-6,5	0,8-1,0
7	3-3,5	0,8-1,0
8	22-24	0,5-0,8
9	7-7,5	0,8-1,0
"A"	17-18	1,5-1,8

PP fibre diameter	Usable type of crimping
0,15-1,00 mm	all the types
above 1,00 mm	types no. 1; 2; 3; 6; 8; 9; A

You can find data of crimping types [here](#).

The amplitude of the crimp can be changed depending on customer demand.



Non flaggable

Flaggable: if flagging is needed after making brush
- min. diameter: 0.23 mm



Flagged:

- min. diameter: 0.23 mm
- length: we can flag fibres with length between 120-1000 mm
- depth of flagging: 8-13 mm in accordance with demand

Homopolymer: for punching use

Copolymer: for melting (fusing) use

Profile types



Round / Oval



Star



Y profile



Triangular

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

- Special thickness: 0,1 mm
 - Fine brush bristles: 0,18-0,29 mm
 - Brush bristles: 0,30-0,59 mm
 - Broom threads: 0,60-3,00 mm
- XY** X and Y profil profile: 0,40-1,30 mm
▲ Triangle profile: 0,90 és 1,00 mm

Stabilisation

PP bristles with min. diameter of 1.50 mm are treated in chamber with hot air to be perfectly straight.

Packing

Standard packing:

Fibre diameter below 0.50 mm: PE foil tube with bundle diameter 55-57 mm or 58-60 mm in accordance with demand

Fibre diameter above 0.50 mm: wrapped with PE foil with bundle diameter 60 mm

Further possibilities:

Fibre diameter 1.00-1.50 mm without crimping: max. bundle diameter can be 70 mm

Fibre diameter 1.00-1.50 mm with crimping: max. bundle diameter can be 80 mm

Transportation

Globally. In cartons, fixed to pallet; as required.



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