

PP

Particularly suitable for making brushes for industrial applications



DESCRIPTION

Thanks to its good resistance to wear and abrasion, this product is particularly suitable for making brushes for industrial applications.

Thanks to its inherent lightness and resistance to heat, this polypropylene monofilament is widely used for domestic and industrial cleaning applications.

This particular **PP** monofilament is non-flammable and is resistant to solvents and reagents. Its resistance to exposure to UV rays may also be improved by introducing special additives.

This **PP** monofilament is available in a number of versions - flaggable, non-flaggable, flagged at one or both ends, level, crimped, round section, x section, y section and trilobal - and in a range of diameters from 0.15 to 1.4 mm.

WHERE TO USE

- Industrial brushes
- Rollers for sweepers
- Metal polishing brushes
- Strips
- Car wash brushes
- Indoor brooms
- Outdoor brooms
- Professional outdoor brooms
- Cloth brushes, wash brushes, dish brushes
- Bath brushes
- Toilet brushes
- Scrubbing brushes

COLOURS

PP is available in all the colours of our range.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

PP is an article and referring to the current European regulations (Reg. 1906/2007/EC - REACH) does not require the preparation of the Safety Data Sheet. During use it is recommended to wear protective gloves and goggles and follow the safety requirements of the workplace.
PRODUCT FOR PROFESSIONAL USE.

TECHNICAL DATA (typical values)

PRODUCT IDENTITY	
Composition:	polypropylene homopolymer (PP), master batches PS or PE based without heavy metals
Appearance:	monofilaments
Length:	maximum tolerance foreseen: ± 2 mm. All lengths available up to 1200 mm maximum
Diameter:	maximum tolerance foreseen $\pm 5\%$
Use:	for brooms, brushes, street cleaning and other products for household and industrial purposes
Colors:	black, white or various other colors to be chosen from the color chart
Density:	0,88-0,93 g/cm ³
Temperatura massima di utilizzo):	+90°C
Maximum operating temperature:	90°C
Tensile strength:	50-200 MPa
Water absorption:	< 0,02%
Combustibility:	flammable (VO)
Abrasion strength:	good
UV strength:	poor
Chemical resistance:	good resistance to hydrochloric and sulfuric acid, glycerin, potassium sodium and calcium compounds, vinegar, fruit juice, alcoholics. Avoid the contact with benzene, bromine, carbon tetrachloride, chloroform, aliphatic hydrocarbons, petroleum ether, tetrahydrofuran, trichloroethylene and xylene
Mechanical details:	poor bend recovery, good resistance to abrasion



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. In every case, the user alone is fully responsible for any consequences deriving from the use of the product.

Please refer to the current version of the Technical Data Sheet, available from our website

www.mapei.com

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60606-8-2020-gb

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