

TECHNICAL AND SALES SPECIFICATIONS

Created as a subdivision of Universal Brushwares Pvt. Ltd. (established 1947). We have been making paint brushes for more than 75+ years and working with synthetic filaments for more than 40 years. At the end of 2021 we vertically integrated and started extruding high quality synthetic filaments. To ensure that we never compromise on the quality of the filaments we entered into a technical assistance agreement with a global leader in synthetic filament manufacturing. Armed with this knowledge we were able to produce high quality filaments right from the start.

TipX



- Engineered for uniform and optimal performance in paint brush applications.
- Enhanced usability and durability achieved with the use of superior raw material.
- Precise control over tapering quality and diameter, ensuring uniformity and consistency.
- Allows smoother and comfortable brush strokes.
- Facilitates smooth pickup of paint and consistent application on various surfaces.
- Provides more professional-looking finish.
- Available in a wide range of colors and shapes to meet specific branding requirements.

PRODUCT SPECIFICATIONS

• Raw material	PBT (polybutylene terephthalate) & PET (Polyethylene terephthalate)
• Shape	Solid round, Tri-Hollow, Mini-Hollow, TetraX
• Taper ratio	33 + 5%
• Available diameters	0.15mm to 0.25mm
• Tolerance	90% ± 10%, 10% ± 12%
• Bundle length	16mm – 1200mm ± 0.75mm
• Bundle diameter	50 ± 2mm
• Hank wrap options	PVC wrap, Plastic tube, Plastic wrap

FILAMENT PROPERTIES

• Specify weight	1310 Kg/m ³
• Melting point	225OC
• Water absorption	0.35%
• Humidity absorption	0.1%
• Loss of stiffness (wet)	1.2%
• Suggested operating temperature	-40 OC to 130 OC
• Tensile strength	200 - 300 MPa
• Elongation	50 – 80 %
• Bend recovery (GB19342)	> 50 %
• Final Moisture	< 0.5 %

* The above data is based on 0.16 mm TitanX and TipX filaments

* Bend recovery test based on GB19342 recommended test method

UNIVERSAL FILAMENTS

The information provided about this product has been gathered to the best of our understanding. However, we are not responsible for any inaccuracies or omissions. The technical specifications may vary depending on the filament's diameter and production parameters.

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