

Fortis Silk TPU 95A has excellent characteristics of high tension, high tensile strength, toughness, and aging resistance, is a mature environmentally friendly material widely used in different industries. TPU 95A, due to its excellent elasticity and wear resistance, can effectively protect the openings of components when used in aircraft engine protective covers, avoiding damage from foreign objects.



Physical Properties	Typical Value	Test Method
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Material Density	1.20g/cm ³	ASTM D 792
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Mechanical Properties	Typical Value	Test Method
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Hardness	95A	ASTM D 2240
Elongation at break	500%	ASTM D 412
100% tensile strength	12Mpa	ASTM D 412
300% tensile strength	24Mpa	ASTM D 412
Tensile strength	45Mpa	ASTM D 412
Tear strength	140N/mm	ASTM D 624
Bending strength	4.3 MPa	ISO 178
Flexural modulus	78.7 MPa	ISO 178
Izod impact strength	34.4 kJ/m ²	ISO 180

Printing Properties	Typical Value
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Nozzle	0.4-0.6mm
Printing temperature	230-240 °C
Printing speed	30-50mm/s
Hot Pad	0-40°C
Fan layer	off(Max20%)

Size	N.W	G.W	Diameters	Packing Characteristic
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M	300g	450g	1.75mm	SmartBag, Security Seal
XM	500g	700g	1.75mm / 2.85mm / 3.00mm	SmartBag, Security Seal
L	1000g	1200g	1.75mm / 2.85mm / 3.00mm	SmartBag, Security Seal



Recyclable
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