

TPE SEBS 1300 85A

Overview

TPE SEBS 1300 85A 3D printing filament is a Shore 85A elastomer that does not require drying to process and has excellent bed adhesion and ease of printing. TPE SEBS 1300 85A has low moisture absorption and has better elasticity for applications that require high flexibility and durability. It works on all open-platform direct drive 3D printers and can be run on desktop 3D Printers with PTFE Bowden Tubes. TPE SEBS can stretch over 600% and is much easier to print than TPU filaments.



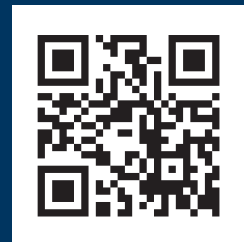
Applications:

- Seals
- Gaskets
- No skid / No mark feet
- Soft touch grip for power tools
- No slip mats for auto interiors

Advantages:

- Low moisture absorption
- High flexibility
- Less visible layer lines
- Higher success print rate

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Print Temperature

The optimal printing range is 240°C - 250°C.



Bed Temperature

A bed temperature of 70°C will provide the best adhesion during printing.



Printing Speed

Base printing speed of 25 mm/s
Infill speed of 25-30 mm/s
Wall speed of 25-30 mm/s
Initial Layer speed of 10 mm/s



Cooling

For best results do not use a cooling fan while printing with TPE SEBS.



Bed Adhesion

Use a brim when printing on clean glass. When using a PEI sheet, use a skirt on a clean plate. There is no need for any additional adhesion methods.



Colors Available

Natural & Black



Diameters Available

1.75mm & 2.85mm

Scan to get
print profiles:



Mechanical Properties ¹			
	Test Condition	Typical Value	Method
Tensile Modulus (MPa)	XY coupons, Ambient	19	ASTM D638, Type IV
Tensile Elongation at Break (%)		900	
Ultimate Tensile Strength (MPa)		6	
Compression Set (%)	XY coupons, Ambient	45	ASTM D395
Tear Strength (N/mm)	XY coupons, Ambient	66	ASTM D624
Durometer (Shore A)	Molded, Ambient	85	ASTM D2240

1. Testing conducted on printed coupons using Jabil's published print profiles. Typical values are for reference only.

Thermal Properties			
	Test Condition	Typical Value	Method
Melt Temperature (°C)	20°C/min ramp	163	DSC

Other Physical Properties			
	Test Condition	Typical Value	Method
Density (g/cm ³)	Ambient	1.056	ASTM D792