



## Technical Data – HB830FL

Very high temperature resistant film with excellent chemical and electrical resistance. Coated with a high grade silicone adhesive, the tape is clean removable leaving no residue. Excellent insulation properties.

### Product description

- Very high temperature resistance, excellent chemical and electrical resistance, high grade silicone adhesive, clean removable
- Excellent insulation properties
- Colour: Amber

### Construction

- Polyimide film (25±2µm)
- Silicone adhesive
- Fluoro treated polyester liner (100 µm)



### Technical data

Item	Unit		Spec.		Test method
Base thickness	µm	Inch	25±2	.001	ASTM D3652
Total thickness	µm	Inch	70±3	.0028	ASTM D3652
Peel strength	gf/25mm	lbf/in	600±100	1.32±0.22	ASTM D3330
Tensile strength	kg/25mm	lb/in	15~17	33~37.5	ASTM D3759
Elongation	%	-	85~95	-	ASTM D3759
Temperature resistance	°C	°F	260	500	-
Chemical resistance	-	-	Good	-	(20% HCl, NaOH / 20hrs)
Dielectric strength	kV/mm	-	98.5	-	ASTM D149
Dielectric breakdown	kV	-	6.9	-	ASTM D149
Conductivity	Ω/cm	S/m	-	-	-
Surface resistivity	Ω/sq	-	10 <sup>13</sup>	-	ASTM D257

### Application

1. Masking terminals on PCB's, wave soldering applications
2. Surface protection
3. High temperature clamping and insulation applications

**Note:** Unless stated otherwise all values given are average. All of the tapes in our range should be thoroughly tested on the substrates in the particular application they are intended for. Hi-Bond Tapes Ltd. will not be responsible for product failure unless full testing has been completed. The customer has to decide on the tapes suitability for the intended application.

### High Performance Tapes and Adhesive Products

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