

## Tape 3850C

### Details

Item No.	3850C	Specification	1020MM*66M
<b>Physical Properties</b>			
<b>Material</b>	Polyester Film (PET Film)		
<b>Adhesive Type</b>	Silicone		
<b>Total Thickness</b>	0.050 ± 0.002 mm		
<b>Length (M)</b>	66M + 0.2M		
<b>Width (MM)</b>	1020MM + 5MM		
<b>Core</b>	3" PE		
<b>Initial Tack (NO/BALL#)</b>	>15		
<b>Adhesion (kg/25mm)</b>	0.6 - 0.8		
<b>Elongation (%)</b>	70		
<b>Tensile Strength (kg/25mm)</b>	15		
<b>Appearance</b>	Green		
<b>Temperature Resistance</b>	180°C / 30min		
<b>Storage Conditions</b>	Temp. 25±2°C, Humidity 65±5%		

### Application Scenarios

Tape 3850C is a silicone-based adhesive tape designed for light to medium-duty applications requiring reliable performance and moderate temperature resistance.

**Electronics Assembly & Masking:** Suitable for temporary component fixing, wire harnessing, and protective masking during soldering or coating processes in PCB and electronic device manufacturing, given its 180°C heat resistance.

**Surface Protection in Precision Industries:** Its clean-removing silicone adhesive makes it ideal for protecting delicate surfaces (e.g., display panels, polished metals, plastic lenses) from scratches, dust, and contamination during handling, machining, or transportation.

**Lightweight Bonding & Laminating:** Can be used for bonding lightweight materials, such as nameplates, decorative films, foam sheets, or graphic overlays, where a balance of adhesion and removability is desired.

**General Purpose Fixation:** Applicable for securing temporary labels, holding parts in place during assembly, or bundling lightweight items in both industrial and office environments.

## Product Description

The 3850C is a single-sided silicone pressure-sensitive adhesive tape featuring a green polyester (PET) film backing. It is engineered to provide a consistent balance of adhesion, temperature tolerance, and clean removal characteristics.

### Key Features:

**Moderate Heat Resistance:** Capable of withstanding temperatures up to 180°C for 30 minutes, accommodating a variety of light industrial and electronic assembly processes.

**Silicone Adhesive System:** Offers stable adhesion to various surfaces and is formulated for relatively clean removal, minimizing adhesive residue on substrates.

**Robust PET Backing:** The polyester film carrier provides good tensile strength (15 kg/25mm), dimensional stability, and resistance to tears and chemicals.

**Predictable Performance:** With specified adhesion (0.6-0.8 kg/25mm) and initial tack (>15 NO/BALL#), it delivers consistent and reliable handling properties for process control.

**Standard Manufacturing Format:** Supplied on a 3-inch polyethylene core, with precise width (1020mm) and length (66m) tolerances, suitable for automated dispensing and die-cutting equipment.

End-users are advised to conduct tests under their specific application conditions to ensure the tape meets all performance requirements for the intended substrates and operating environment.