

Tape 33127

Detail

Item No.	33127	Specification	1020MM*33M
Physical Properties			
Material	Polyester Film + Crepe Paper		
Adhesive Type	Silicone		
Total Thickness	0.195 ± 0.010 mm		
Length (M)	33M + 0.5M		
Width (MM)	1020MM + 5MM		
Core	3" PE		
Initial Tack (NO/BALL#)	10		
Adhesion (kg/25mm)	0.8 - 1.4		
Elongation (%)	5		
Tensile Strength (kg/25mm)	18		
Appearance	Red		
Temperature Resistance	220°C / 30min		
Storage Conditions	Temp. 25±2°C, Humidity 65±5%		

Application Scenarios

Tape 33127 is a composite tape designed for demanding masking and protection applications, particularly where high-temperature resistance and easy, clean removal are critical.

High-Temperature Paint Masking: Ideal for automotive, aerospace, and industrial spray painting or powder coating processes. Its crepe paper backing allows for conformability to curves, while the 220°C resistance protects areas that must remain paint-free during high-temperature curing.

PCB & Electronic Component Masking during Soldering: Suitable for protecting sensitive components, connectors, or gold fingers during wave soldering, reflow soldering, or selective soldering due to its exceptional 220°C heat resistance.

Anodizing & Plating Masking: Can be used to mask specific areas on metal parts during anodizing, electroplating, or chemical etching processes, as the

silicone adhesive and composite structure resist various chemicals and high temperatures.

Industrial Baking & Curing Processes: Effective for securing lightweight fixtures, masking holes, or protecting surfaces in industrial ovens and during plastic or composite curing cycles.

Product Description

The 33127 is a high-temperature resistant, single-sided silicone adhesive tape featuring a unique composite backing of polyester film and crepe paper. This construction combines the strength of polyester with the conformability and easy tearability of crepe paper.

Key Features:

Exceptional High-Temperature Resistance: Withstands up to 220°C for 30 minutes, making it suitable for the most demanding masking applications in painting and electronics manufacturing.

Composite Backing (PET + Crepe Paper): Offers an optimal balance: the polyester film provides high tensile strength (18 kg/25mm) and dimensional stability, while the crepe paper layer allows for excellent conformability to irregular surfaces and easy hand-tearing.

Silicone Adhesive: Provides reliable adhesion under high temperatures and allows for generally clean removal from most surfaces after exposure, minimizing residue.

High Strength & Low Elongation: The high tensile strength ensures durability during handling and application, while the low elongation (5%) provides precise dimensional stability under tension.

Standard Industrial Format: Supplied on a 3-inch polyethylene core with standard width and length tolerances, suitable for manual or automated dispensing and die-cutting.

It is recommended for end-users to conduct application-specific testing to confirm suitability for their intended substrates, chemicals, and full process conditions.