

Tape 7525C

Detail

Item No.	7525C	Specification	1020MM*50M
Physical Properties			
Material	Polyester Film (PET Film)		
Adhesive Type	Silicone		
Total Thickness	0.100 ± 0.002 mm		
Length (M)	50M + 1.0M		
Width (MM)	1020MM + 5MM		
Core	4" PE		
Initial Tack (NO/BALL#)	>16		
Adhesion (kg/25mm)	0.8 - 1.0		
Elongation (%)	110		
Tensile Strength (kg/25mm)	18		
Appearance	Green		
Temperature Resistance	200°C / 30min		
Storage Conditions	Temp. 25±2°C, Humidity 65±5%		

Application Scenarios

Tape 7525C is a high-performance silicone adhesive tape designed for demanding applications that require reliable bonding under elevated temperatures and good physical strength.

High-Temperature PCB & SMT Processes: Ideal for masking and securing components during wave soldering, reflow soldering, and other surface-mount technology (SMT) processes, thanks to its ability to withstand 200°C for 30 minutes.

Thermal Management & Heat Sink Attachment: Suitable for bonding heat spreaders or securing thermal interface materials in electronics, where stability at high temperatures is crucial.

Automotive Electronics Assembly: Can be used for wire harnessing, component fixation, or masking within engine control units (ECUs) and other under-hood applications that experience high ambient temperatures.

Industrial High-Temp Masking & Protection: Effective for protecting sensitive areas during powder coating, painting, or plasma treatment in industrial manufacturing, where both temperature resistance and clean removal are beneficial.

Product Description

The 7525C is a single-sided silicone pressure-sensitive adhesive tape on a green polyester (PET) film carrier. It is engineered to provide a robust combination of high-temperature endurance, strong adhesion, and mechanical integrity for challenging industrial environments.

Key Features:

Excellent High-Temperature Resistance: Withstands continuous exposure up to 200°C for 30 minutes, making it suitable for most electronics soldering and many industrial curing processes.

Silicone Adhesive: Offers stable and reliable adhesion to a wide range of substrates, with properties conducive to clean removal, minimizing residue on many surfaces.

High Strength & Durability: The PET backing provides a tensile strength of 18 kg/25mm, offering good mechanical support and handling durability. The high elongation (110%) allows for conformability to curved or uneven surfaces.

Consistent Performance: With specified adhesion (0.8-1.0 kg/25mm) and initial tack (>16), it ensures predictable and repeatable results in automated or manual applications.

Standard Industrial Format: Supplied on a 4-inch polyethylene core with precise dimensional tolerances (1020mm width, 50m length), optimized for high-efficiency die-cutting and dispensing equipment.

It is recommended that end-users validate the tape's performance through testing under their specific application conditions, including the intended substrates and full range of environmental exposures.