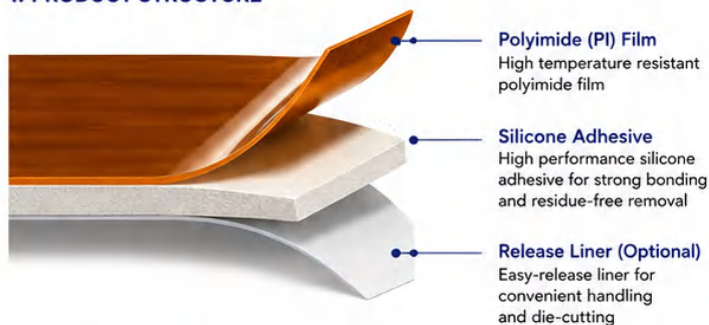




HIGH TEMPERATURE PI KAPTON TAPE

ENGINEERING SPECIFICATIONS

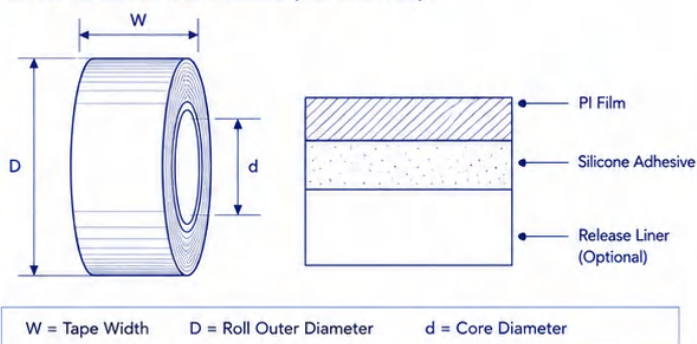
1. PRODUCT STRUCTURE



2. STANDARD SIZES

	TOTAL THICKNESS	0.05mm / 0.06mm / 0.08mm / 0.10mm 0.13mm / 0.15mm / Custom
	PI FILM THICKNESS	25μm / 50μm / 75μm / 100μm 125μm / Custom
	TAPE WIDTH	2mm ~ 500mm (Common: 5mm, 10mm, 15mm, 20mm, 25mm, 30mm, 50mm, 100mm)
	ROLL LENGTH	10m / 20m / 33m / 50m / 66m 100m / 200m / Custom
	CORE DIAMETER	25.4mm (1") / 38mm (1.5") 76mm (3") / Custom
	COLOR	Amber (Transparent)
	ADHESIVE TYPE	Silicone Adhesive

3. DIMENSIONAL DRAWING (REFERENCE)



4. TYPICAL PERFORMANCE DATA

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE
Operating Temperature (Long-term)	—	°C	-73 ~ 260
Operating Temperature (Short-term)	—	°C	Up to 300
Peel Adhesion (180°)	ASTM D3330	N/25mm	≥ 6.0
Tensile Strength	ASTM D3759	MPa	≥ 135
Elongation at Break	ASTM D3759	%	≥ 50
Dielectric Strength	ASTM D149	kV/mm	≥ 6.0
Volume Resistivity	ASTM D257	Ω · cm	≥ 1.0 × 10 ¹⁶
Flame Retardant	UL94	Rating	V-0
Residue on Removal	—	—	Clean / No Residue

5. FEATURES

High Temperature Resistance Continuous use up to 260°C, short-term up to 300°C.	Chemical Resistance Resistant to most solvents, chemicals, and oils.
Excellent Electrical Insulation High dielectric strength and insulation performance.	Flame Retardant Meets UL94 V-0 standard for safety performance.
Strong Adhesion Silicone adhesive ensures strong bonding and secure hold.	Clean Removal Removes cleanly without residue or surface damage.

6. CUSTOM OPTIONS



7. STORAGE CONDITIONS



Store in a cool, dry place away from direct sunlight.
Recommended Temperature: 10 ~ 30°C
Relative Humidity: 40 ~ 70%