



PRODUCT DATA SHEET

MasKing 500 - Polyimide Silicone Tape



Description:

This amber colored polyimide tape has exceptional high temperature resistance, puncture and tear resistance, as well as good electrical properties. It is a thin, conformable, and both chemical and flame-resistant product. This tape will not soften at higher temperatures and can be used to protect circuit boards when soldering.

Features:

- Strong, durable polyimide backing
- Puncture and tear resistance
- Thin and conformable for application on curved and textured surfaces
- High temperature stability
- Good chemical resistance
- No adhesive residue on removal
- ESD (anti-static) option
- Available on liner for die-cutting applications



Product Data					
		MK500-S7700		MK500-S7680	
Carrier	Polyimide Film	1 mil	0.025mm	2 mil	0.05mm
Adhesive	Silicone	1.2 mil	0.03mm	1.2mil	0.03mm
Total Tape Thickness	-	2.2 mil	0.06mil	3.2 mil	0.08mm
Peel Adhesion	From Stainless Steel	18 oz/in	5N/25mm	19 oz/in	5.5N/25mm
Temperature Resistance	-	500°F		260°C	
Voltage Resistance	-	10 KV		6 KV	

Assembly

Bonding

Masking

Splicing

Application Notes:

Used as a masking and surface protection tape for high-temperature applications. Used as a mask in soldering applications and as a coil winding tape in electrical components that will see high temperature service. Used for powder coat masking when process temperatures are >450°F and/or a very conformable tape is needed. Used as a surface protection tape, when temperatures are greater than 430° and must still have clean removal. A great choice to use on flexible electronics and thermal heating elements.

To achieve ultimate adhesion, the bonding surface should be dry, clean and free of dirt and oils. The strength of the adhesive bond is dependent on the amount of surface area directly contacting the adhesive. Firm pressure is recommended to obtain good adhesive to surface contact.

†Note: Values should not be used for specification purposes. Each user should make their own test to determine the products suitability for their own intended use and shall assume all risks and liabilities in connection therewith. Materials should be stored at 70°F (21°C) with 50% relative humidity



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