



innovation by design

TECHNICAL DATASHEET

2 MIL POLYIMIDE FILM SILICONE ADHESIVE

DESCRIPTION

Manufactured from 2 mil thin polyimide film with 1.5 mils high performance silicone adhesive.

PRODUCT BENEFITS

Designed for coil insulation at high temperature. For uses in generator, capacitor, transformer, etc.

- Excellent dielectric strength.
- Outstanding resistance against the damage from impact or abrasion.

Item	Test Method	Normal	Min.
Adhesive		Silicone	
Backing		Polyimide Film	
Carrier Thickness (mil/mm)	ASTM D 1000	2.00 / 0.050	
Total Thickness (mil/mm)	ASTM D 1000	3.60 / 0.090	3.48 / 0.087
Color		Amber	
Adhesion to Steel (N/25mm)/(g/25mm)/(oz/in)	ASTM D 1000	5.9 / 600 / 21	5.6 / 570 / 20
Tensile Strength (N/25mm)/(kg/25mm)/(lb/in)	ASTM D 1000	196 / 20 / 44	176 / 18 / 40
Dielectric Strength (kV)	ASTM D 149	7.0	6.0
Class of Insulation (°C)	UL 510	UL H / 200	
Elongation (%)	ASTM D 1000	100	80
Range of Temperature (C/F)		-73 ~ 260 / -100 ~ 500	

The above values are typical values and should be used only as a guide. Due to the nature of process variables, Echo makes no warranty or guarantee on the use of this product in a specific process and user should always test material in their own process before running production.