



PRODUCT DESCRIPTION

Laird Tflex HD400 is a 4.0 W/mK gap filling material in our high deflection line of products. Tflex HD400 is an excellent choice when wide manufacturing tolerances occur. These variable gaps can be filled with Tflex HD400 while generating minimal board and component stress. Laird's unique manufacturing capabilities, filler and resin knowledge result in this advanced product designed with customer applications in mind.

Tflex HD400 is provided in thickness from 1mm (.040") up to 5mm (.200") in .5mm (.020") increments as standard. Non-standard increments of .25mm (.010") are available if required. Please contact Laird for information and pricing. In addition, Laird can provide Tflex HD400 in multiple converted formats through approved converters and distribution networks. Also, if your application requires, we can deliver sheets of material as large as 230mm (9") X 230mm (9").

FEATURES AND BENEFITS

- 4.0 W/mK thermal conductivity
- Low pressure versus deflection
- Excellent surface wetting for low contact resistance
- Minimizes board and component stress
- Large tolerance applications
- Converted parts and sheets available
- 1mm (.040") to 5mm (.200") standard
- Naturally tacky on both sides or on one side with Laird's DC1 option (DC1 available on one side only)

SPECIFICATIONS

CATEGORIES	TYPICAL VALUE	METHOD
Construction	Ceramic filled silicone elastomer	
Color	Blue	Visual
Thermal Conductivity	4.0 W/mK	Hot Disk
Hardness (3 sec)	44 Shore 00	ASTM D2240
Specific Gravity	3.0	Helium Pycnometer
Flammability	VO	UL 94
Temperature Range	-40C to 200°C	
Outgassing TML	0.22%	ASTM E595
Outgassing CVCM	0.04%	ASTM E595
Thickness Range	1mm to 5mm (.040"- .200")	

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THR-DS-Tflex HD400_081815

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