



#### 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 0.5mm (.020") and .75mm (.030"). For thicknesses greater than 0.75mm (0.030") please review datasheet for HD400 (1mm (.040") to 5mm (.200"). 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
- Low contact resistance in thin gap applications
- Converted parts and sheets available
- 0.5mm (.020") and 0.75mm (.030") standard
- Naturally tacky on both sides or on one side with Laird's DC1 option (DC1 available on one side only)

#### Typical Values

PROPERTY	TYPICAL VALUE	METHOD
<b>Construction</b>	Ceramic filled silicone elastomer	
<b>Color</b>	Blue	Visual
<b>Thermal Conductivity</b>	4.0 W/mK	Hot Disk
<b>Hardness (3 sec)</b>	80 Shore 00	ASTM D2240
<b>Specific Gravity</b>	3.0	Helium Pycnometer
<b>Flammability</b>	VO	UL 94
<b>Temperature Range</b>	-40C to 200°C	
<b>Outgassing TML</b>	0.22%	ASTM E595
<b>Outgassing CVCM</b>	0.04%	ASTM E595
<b>Thickness Range</b>	0.5mm to .75mm (.020"- .030")	

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