

Tflex RB300 Series Thermal Gap Filler



PRODUCT DESCRIPTION

Tflex[™] RB300 is an exceptionally soft gap filler pad with a thermal conductivity of 1.2 W/mK. Tflex RB300 is specially formulation to minimize the amount of silicone oil bleed in sensitive applications.

Tflex[™] RB300, in achieving its stellar compliancy, does not sacrifice thermal performance. With a thermal conductivity of 1.2 W/mK, low thermal resistances can be achieved at low pressures.

Tflex[™] RB300 is naturally tacky and requires no additional adhesive coating that can inhibit thermal performance.

FEATURES AND BENEFITS

- Extreme compliancy allows material to "totally blanket" components
- Thermal conductivity of 1.2 W/mK
- Minimal silicone oil bleed
- Environmentally friendly solution that meets RoHS and REACH requirements

SPECIFICATIONS

TYPICAL PROPERTIES	VALUE	TEST METHOD
Construction & Composition	Ceramic filled silicone sheet	N/A
Color	Grey	Visual
Thickness Range	0.5 mm (0.020") - 5.08mm (0.20")	N/A
Thermal Conductivity (W/mK)	1.2	Hot Disk
Density (g/cc)	1.78	Helium
		Pycnometer
Hardness (Shore 00)	27	ASTM D2240
Outgassing TML (weight %)	0.22	ASTM E595
Outgassing CVCM (weight %)	0.05	ASTM E595
Temperature Range	-25°C to 200°C	N/A
Rth@ 40 mils, 10 psi, 50 ⁰ C	1 .14 ^o C–in2/W	ASTM D5470
		(modified)
UL Flammability Rating	V-0	UL 94
Volume Resistivity	10^14 ohm-cm	ASTM D257

Americas: +1.866.928.8181 Europe: +49.(0).8031.2460.0 Asia: +86.755.2714.1166

www.lairdtech.com



Tflex RB300 Series

Thermal Gap Filler





AVAILABILITY

STANDARD THICKNESSES

- 0.5mm (0.020") to 5.0mm (0.200") thick material available in 0.25mm (0.010") increments
- Available in standard sheet sizes of 18" x 18" and 9" x 9" or custom die cut parts

PART NUMBER SYSTEM

Tflex[™] indicates Laird elastomeric thermal gap filler product line. RB3xxx indicates Tflex RB300 product line with thickness in mils (0.001")

EXAMPLES:

• Tflex[™] RB340 = 0.040 inch thick Tflex[™] RB300 material

A18156-00 Tflex RB300 DS 081621

Any information furnished by Laird Technologies, Inc. and its agents is believed to be accurate and reliable. All specifications are subject to change without notice. Responsibility for the use and application of Laird Technologies materials rests with the end user. Laird Technologies materials as to the fitness, merchantability, suitability or non-infringement of any Laird Technologies materials or products for any specific or general uses. Laird Technologies shall not be liable for incidental or consequential damages of any kind. All Laird Technologies products are sold pursuant to the Laird Technologies 'marks are trademarks of sale in effect from time to time, a copy of which will be furnished upon request. © Copyright 2015 Laird Technologies, Inc. All Rights Reserved. Laird Technologies, the Laird Technologies or any streak are trademarks or registered trademarks of Laird Technologies, Inc. or an affiliate company thereof. Other product or service names may be the property of third parties. Nothing herein provides a license under any Laird Technologies or any third party intellectual property rights.