

Tflex™ P300 Series Polyimide Lined Gap Filler



Product Description

Laird Tflex® P300 is a soft and compliant gap filler with an integrated polyimide liner. Laird has leveraged its vast experience and knowledge in the development of thermally conductive materials to develop a soft and compliant gap filler that minimizes contact resistance and board level stresses. In conjunction with these key traits Laird understands that not all applications are the same. As a result, Tflex P300 comes with a unique and integrated polyimide film on one side. This liner provides numerous application benefits like electrical isolation, placement ease during assembly, and tear resistance for applications that require shear.

FEATURES AND BENEFITS

- Compliant nature minimizes contact resistance
- Integrated polyimide film provides dielectric strength
- Resistance to burrs and mechanical forces
- Resistant to shear forces.
- Thermal Conductivity of 3 W/mK
- Contrasting color allows integration with vision system
- Low silicone bleed

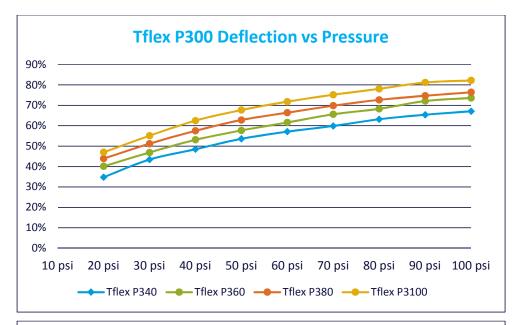
SPECIFICATIONS

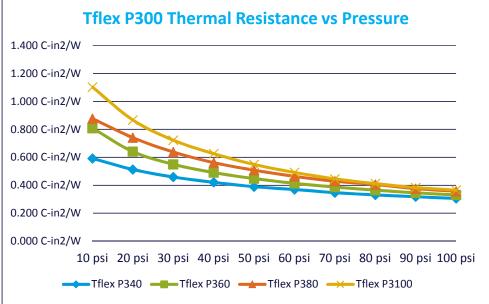
TYPICAL PROPERTIES	VALUE	TEST METHOD
Construction & Composition	Polyimide lined elastomer	N/A
Color	Purple	Visual
Thickness Range	0.50mm (0.020") 5.0mm (0.20")	N/A
Thickness Tolerance	+/- 10%	N/A
Thermal Conductivity (W/mK)	3.0	ASTM D5470
Density (g/cc)	3.10	Helium Pycnometer
Hardness (Shore 00)	30	ASTM D2240
Outgassing TML (weight %)	0.2	ASTM E595
Outgassing CVCM (weight %)	0.05	ASTM E595
Temperature Range	-40°C to 125°C	Laird Test Method
Rth@ 40 mils, 10 psi	0.592 °C-in2/W	ASTM D5470 (Modified)
Dielectric Constant @ 1 MHz	4.6	ASTM D150
UL Flammability Rating	V-0	UL-94
Volume Resistivity	2 x 10 ^{^14} ohm-cm	ASTM D257
Breakdown Voltage	>5KV	ASTM D149

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



TflexTM P300 Series Polyimide Lined 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. P3xxx indicates Tflex P300 product line with thickness in mils (0.001") EXAMPLES:

• Tflex[™] P340 = 0.040" thick Tflex[™] P300 material

A17801-00 Tflex P300 DS 110317

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 small bill for incidental or consequential damages of any kind. All Laird Technologies transition of balard Technologies materials are sold pursuant to the Laird Technologies from and Conditions 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 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.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Thermal Interface Products category:

Click to view products by Laird Connectivity manufacturer:

Other Similar products are found below :

 7721-9PPS
 FGN80-2
 PFM-172-60
 A-40
 174-9-230P
 9601-7
 5300AC 1.500G
 08133
 V6622C
 TVQF-1225-07S
 TP0001
 4860
 SC80-W2

 V6516C
 A17713-06
 A17713-05
 A17653-05
 A17690-06
 A17775-03
 A17690-05
 A17653-02
 A17689-02
 A17690-04
 A17775-05
 A17775

 06
 A17690-08
 A17690-02
 A17689-06
 A17653-06
 A17690-12
 A17653-03
 A17536-02
 A17689-03
 A17752-13
 A17752-04

 A17752-07
 A17634-12
 19-36565-0001-1
 A17752-09
 22000-001A
 A17752-20
 A17752-16
 A17752-12
 A17653-04
 A17634-10
 A17634-09

 A17634-07
 A17633-20
 A17633-07