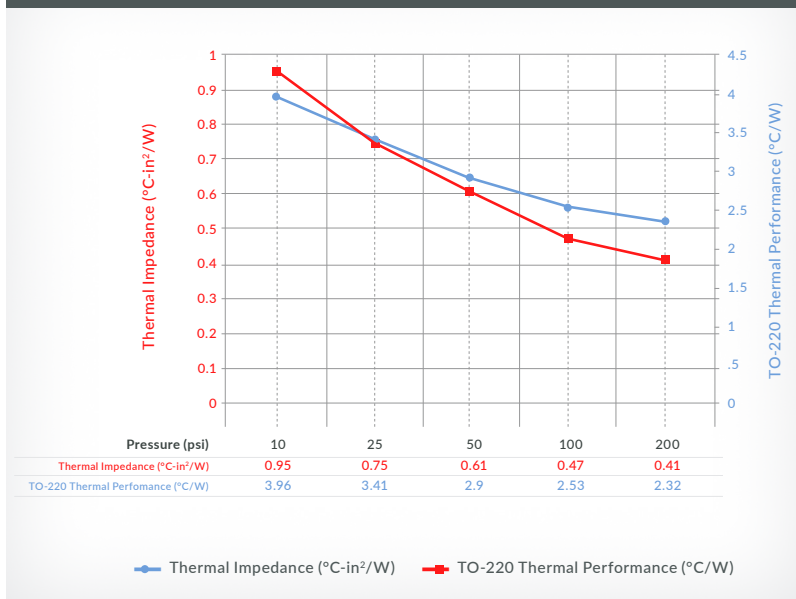


WESTHERM[™] FILM-HB HIGH PERFORMANCE INSULATOR / LOW PRESSURE



Modus Advanced Inc.'s WesTherm[™] Film-HB is a thermally conductive silicone pad with fiberglass reinforcement and a thermal impedance value of 0.61 °C-in²/W (@ 50psi). It is designed for applications requiring both high thermal performance and electrical isolation, which includes power supplies, motor controls, power semiconductors, automotive electronics or other applications where low mounting pressures for component clamping is typical. This material's smooth and highly compliant surface is designed to reduce interfacial thermal resistance, increase thermal performance and increase thermal resistance at low pressures. Film-HB is available in sheets, and rolls, cut to your specification.

FILM-HB THERMAL PERFORMANCE vs. PRESSURE



APPLICATIONS

METHOD OF APPLICATION: This material is available with or without a pressure sensitive adhesive (PSA).

- Power supplies
- Power controls
- Discreet semiconductors (TO-220, TO-247, TO-218)
- Automotive electronics

FEATURES AND BENEFITS

- High thermal performance and isolation
- Fiberglass reinforced
- Smooth and compliant surface
- Optimal thermal resistance at low pressures

TYPICAL PROPERTIES

- Color: Pink
- Thickness (inch)/(mm): Imperial Value: 0.009; Metric Value: 0.229
- Reinforcement Carrier: Fiberglass
- Hardness (Shore A): 92
- Tensile Strength (psi) / (MPa): Imperial Value: 1300; Metric Value: 9
- Elongation (%45° to Warp and Fill): 20
- Continuous Use Temperature (°F) / (°C): Imperial Value: -76 to 356; Metric Value: -60 to 180

ELECTRICAL

- Dielectric Breakdown Voltage (Vac): 5500 Type 3 Electrodes: 8300
- Dielectric Constant (1000 Hz): 6.0
- Volume Resistivity (Ohm-meter): 10¹⁰
- Flame Rating: V-O

THERMAL

- Thermal Conductivity (W/m-K): 1.6

AVAILABILITY

- Die-cut or trimmed to any proprietary shape

MODUS ADVANCED TAKES YOU FROM IDEA TO IGNITION

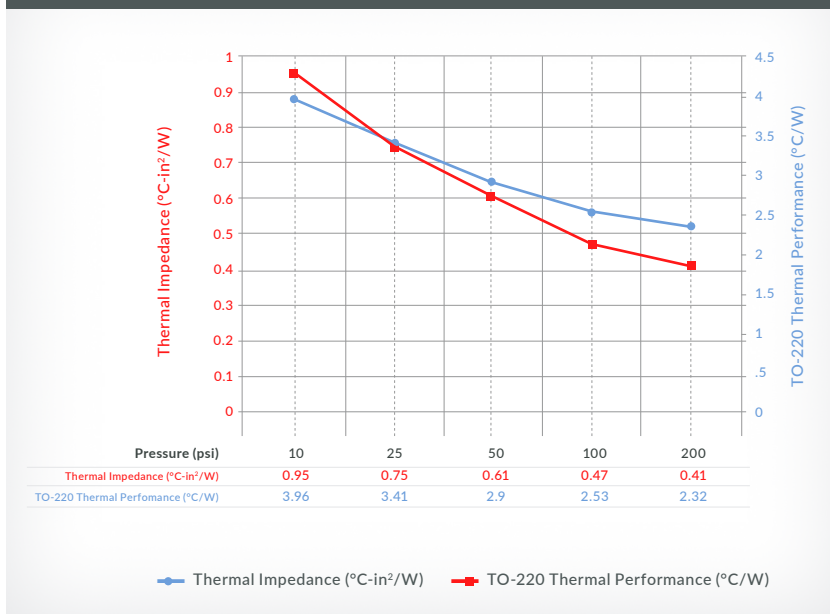


PICK A MATERIAL

LET MODUS CUT IT TO SIZE

WESTHERM™ FILM-HB HIGH PERFORMANCE INSULATOR / LOW PRESSURE

FILM-HB THERMAL PERFORMANCE vs. PRESSURE



CUSTOMERS ALSO SEARCHED:

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| thermal interface materials | thermal interface pad | silicone gap filler | what is a thermal pad |
| thermal putty | thermal materials | conductive pads | |
| thermal conductive pad | thermal silicone | thermal pad material | |
| gapfiller | heat transfer pad | silicone thermal pad | |

ABOUT MODUS

We are Modus! With multiple locations in North America and China, Modus Advanced, Inc. is a diversified custom manufacturer that converts EMI Shielding, Environmental Gasket Materials, Microwave Absorbers, Acoustic Materials, Thermal Interface Materials and other high performance materials into finished parts. Modus utilizes its 40 years as an established provider of high quality, reliable products to create precisely what customers specify. Innovative processes; custom fabrication utilizing performance materials; an on time delivery record of more than 99% means Modus is well positioned to help your company succeed.

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