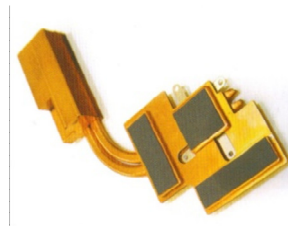


THERMALLY CONDUCTIVE FILLER PAD

5.00W/m.K, 65 SHORE 00, 300x300x0.8~15.0Tmm

W8TR500G

With an extremely high thermal conductivity 5.0 (W/m-K), the highly soft 65 Shore 00, W8TR500G thermal conductive silicone pad is suitable for working environments where the temperature varies greatly. It is able to overcome virtually any adverse environment in addition to conducting heat away from electronic components.



PRODUCT APPLICATION

- Electronic parts: IC, CPU, MOS.
- LED, M/B, PS, HEAT SINK, LCD-TV, NB.
- DDRII Module. DVD Application and so on.

| Item | Unit | W8TR500G | Test Method |
|-----------------------|-------------------|------------|--------------|
| Thermal Conductivity | W/m.k | 5.0 | ASTM D5470 |
| Hardness | Shore 00 | 65 | ASTM D2240 |
| Thickness | mm | 0.3 ~ 15.0 | ASTM D374 |
| Density | g/cm ³ | 2.4 | ASTM D792 |
| Weight Loss | % | <1 | 120° / 24hrs |
| Tensile Strength | Psi | 50 | ASTM D412 |
| Elongation | % | 250 | ASTM D412 |
| Insulation Strength | kV / mm | 1 | ASTM D149 |
| Flammability | - | V-0 | UL-94 |
| Max Temperature Range | °C | -40 ~ 200 | - |
| Sheet Size | mm | 300x300 | - |
| Colour | - | Grey | Visual |

Thermal Resistance

| Resistance | 0.5mm | 1.0mm | 1.5mm | 2.0mm | 3.0mm | 5.0mm |
|-----------------------|-------|-------|-------|-------|-------|--------|
| °C/W | 0.170 | 0.358 | 0.503 | 0.565 | 0.777 | 1.157 |
| °C*cm ² /W | 1.636 | 3.436 | 4.834 | 5.430 | 7.469 | 11.119 |
| °C*in ² /W | 0.254 | 0.533 | 0.749 | 0.842 | 1.158 | 1.723 |

Specimen : 31mm-square (@40 psi)

Compression (10% ~ 50%) , psi

| | 0.5mm | 1.0mm | 1.5mm | 2.0mm | 3.0mm | 5.0mm |
|-----|-------|--------|--------|--------|--------|--------|
| 10% | 5.08 | 7.16 | 15.99 | 16.64 | 13.90 | 9.21 |
| 20% | 32.71 | 35.85 | 57.11 | 55.43 | 53.43 | 29.82 |
| 30% | 56.10 | 58.37 | 88.06 | 80.04 | 97.17 | 63.48 |
| 40% | 64.18 | 74.88 | 183.36 | 164.02 | 200.17 | 132.91 |
| 50% | 72.53 | 132.86 | 288.59 | 268.14 | 344.18 | 260.43 |

Specimen : 25mm-square Test Condition : 5mm/minute

Part number system:

W6TR500G-XX

XX = Thickness
 05 - 0.5mm
 10 - 1.0mm
 20 - 2.0mm
 Etc.

AMEC Thermasol

1-2 Steam Mill Lane, Great Yarmouth, Norfolk, NR31 0HP

Telephone: +44(0) 1493 668622 Fax: +44(0) 1493 668623

Email: sales@amecthermasol.co.uk Website: www.amecthermasol.co.uk

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Amec Thermasol](#) manufacturer:

Other Similar products are found below :

[W8TR500G-2.0](#) [W8TR500G-2.0-T1](#) [FCTS73-10N](#) [FCTL73-25](#) [FCTS73-05N](#) [W8TR500G-0.5](#) [W6TR315G-1.0](#) [MPC252525T](#)

[MPC303050WT](#) [SFT80-0.15](#) [W6TR315G-0.8](#) [MPC151525T](#) [FCH303512T](#) [FCH505010T](#) [MPC404025T](#) [MHP-2550A-250A](#) [SFT90-0.15-T1](#)

[MPC202025T](#) [FCH30305T](#) [MPC222225T](#) [FCH40405T](#) [MPC101020T](#)