

# Thermal Interface Material



## 86/30



- Self adhesion
- Good thermal conductivity

## Applications

- Engine controllers
- Power supplies
- Power converters
- AV components
- Appliances

## Options

- Available with
 

|                  |            |                               |
|------------------|------------|-------------------------------|
| Adhesive coating | Fiberglass | Fiberglass + Adhesive coating |
| 86/40            | 86/10      | 86/20                         |
- Other thicknesses maybe available, subject to minimum order quantities

The data provide engineering guidance, performance in actual applications should be established through testing.

| Properties                           | Unit                        | 86/30                     |
|--------------------------------------|-----------------------------|---------------------------|
| Color                                |                             | White                     |
| <b>Thermal Properties</b>            |                             |                           |
| Thermal Conductivity                 | W/mK                        | 2.5                       |
| Thermal Resistance                   | K/W                         | 0.22                      |
| <b>Electrical Properties</b>         |                             |                           |
| Breakdown Voltage $U_{d; ac}$        | kV                          | 1.5                       |
| Dielectric Breakdown $E_{d; ac}$     | kV/mm                       | 7.0                       |
| Volume Resistivity                   | $\Omega m$                  | $2.5 \times 10^{11}$      |
| Dielectric Constant $\epsilon_r$     |                             | 3.0                       |
| Dielectric Loss factor $\tan \delta$ |                             | $22 \times 10^{-3}$       |
| <b>Mechanical Properties</b>         |                             |                           |
| Hardness                             | Shore A                     | 70-80                     |
| Tensile Strength                     | MPa (psi)                   | 1.5 (218)                 |
| Elongation                           | %                           | 31                        |
| <b>Physical Properties</b>           |                             |                           |
| Application Temperature              | $^{\circ}C$ ( $^{\circ}F$ ) | -60 to +250 (-76 to +482) |
| Density                              | $g/cm^3$                    | 2.33                      |
| Flame rating                         | UL-94                       | V-0                       |
| Standard Thickness                   | mm (inch)                   | 0.225 (0.009)             |

