

## COOLPad<sup>®</sup> CP1060

Interface pads



### Description

COOLPad<sup>®</sup> is a line of high performance thermal interface pads, developed to address the industry's growing requirements for easy application, low levels of thermal resistance and high conformability, even at the most challenging and uneven surfaces. COOLPad<sup>®</sup> is specially suitable for applications with low clamping forces between the heat generating component and the heat dissipation surface.



### Features

- Low Thermal Resistance
- High Conformability
- Electrically Insulating
- RoHS, Reach and UL 94-V0 compliant"



### Applications

- Electronic components like LEDs, CPUs, MOS
- Mobiles, Laptops, Tablets
- Electrical Vehicle Batteries
- Power devices and modules"



### Delivery Format

- Sheets of 200x400m
- Die-cut parts"



## Typical Properties

| Properties                 | Standard   | Unit                   | CP1060                |
|----------------------------|------------|------------------------|-----------------------|
| Color                      | -          | -                      | Grey                  |
| Elastômero                 | -          | -                      | Silicon               |
| Carrier Reinforcement      |            |                        | No                    |
| Thickness                  | ASTM D374  | mm (inch)              | 0,25-5,0 (0,010-0,20) |
| Density                    | ASTM D792  | g/cm <sup>3</sup>      | 2,30                  |
| Thermal Conductivity       | ASTM D5470 | W/m.k                  | 6,00                  |
| Volume Resistance          | ASTM D257  | ohms.cm                | 3.1*10 <sup>11</sup>  |
| Thermal Resistance (50psi) | ASTM D5470 | °C-in <sup>2</sup> / W | 0,02                  |
| Hardness                   | Shore C    | -                      | 25,00                 |
| Thermal Resistance         | ASTM D5470 | °C                     | -60 to 200            |
| Dielectric Strength        | ASTM D149  | kV/mm                  | > 4,0                 |
| Shelf Life                 | -          | -                      | 5 years               |
| Flame Rate                 | UL 94      | -                      | V0                    |