

Keratherm[®] - Ferrite F 96 (Film)

Applications:

- EMC - absorption
- flexible PCB
- LED - arrays



| Properties | Unit | F 96 |
|--|--|---------------|
| Colour | | black |
| Initial permeability μ_i | | 14 \pm 20% |
| Relative loss factor ($\tan \delta/\mu_i$) | | |
| 1,0 KHz | | 0.20 |
| 0,1 MHz | | 0.01 |
| Dielectric constant ϵ_r | | |
| 1,0 KHz | | 2.80 |
| 0,1 MHz | | 0.20 |
| Measured thickness (+/-10%) | mm | 0.225 |
| Density | g/cm ³ | 3.02 |
| Breakdown voltage $U_{d,ac}$ | k/V | > 200 |
| Dielectric breakdown $E_{d,ac}$ | kV/mm | 1.0 |
| Thermal conductivity λ | W/mK | 1.0 |
| Thermal impedance | $^{\circ}\text{Cmm}^2/\text{W}$ Kin^2/W | 238 0,329 |
| Thermal resistance | K/W | 0,56 |
| Tensile strength | N/mm ² | 0.7 |
| Elongation | % | 40 |
| Hardness | Shore A | 82 |
| Application temperature | $^{\circ}\text{C}$ | -40 to +200 |
| Flame rating | UL | 94V-0 |
| Possible thickness* | mm | 0.225 – 0.500 |

A new material made from soft magnetic ferrite for electromagnetic shielding, flexible coils or other magnetic applications. The film has a very good shielding efficiency and a high EMC absorption capacity! Its high initial permeability ensures good magnetic properties. Its high flexibility allows preforms and customer-specific punching in all kinds of shapes.

