

## Keratherm Ferrite: F 96 (Ferrite Film)



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!

DISCLAIMER: Purchaser shall be solely responsible for determining the adequacy of the product for any and all uses which the purchaser shall apply the product, and the application of the product by the purchaser shall not be subject to any implied warranty of fitness for that purpose.

Properties	symbol	unit	Ferrite F96
Color			black
Initial Permeability	$\mu_i$		14 $\pm$ 20%
Relative Loss Factor 1.0 kHz 0.1MHz	$\tan \delta / \mu_i$		0.20 0.01
Dielectric Constant 1.0 kHz 0.1 MHz	$\epsilon_r$		2.80 0.20
Overall Thickness	$U_{d;ac}$	mm	0.225
Density	$\rho$	g/cm <sup>3</sup>	2.8
Dielectric Breakdown	$E_{d;ac}$	kV/mm	1.0
Thermal Conductivity	$\lambda$	W/mK	1.0
Tensile Strength		N/mm <sup>2</sup>	0.7
Elongation		%	40
Hardness		Shore A	82
Application Temperature		°C	-40 to +200

Its high initial permeability ensures good magnetic properties. Its high flexibility allows performance and customer-specific punching in all kinds of shapes.

### Power level attenuation through F 96

