DATASHEET

KERAFOL®

Keratherm Ferrite F 96

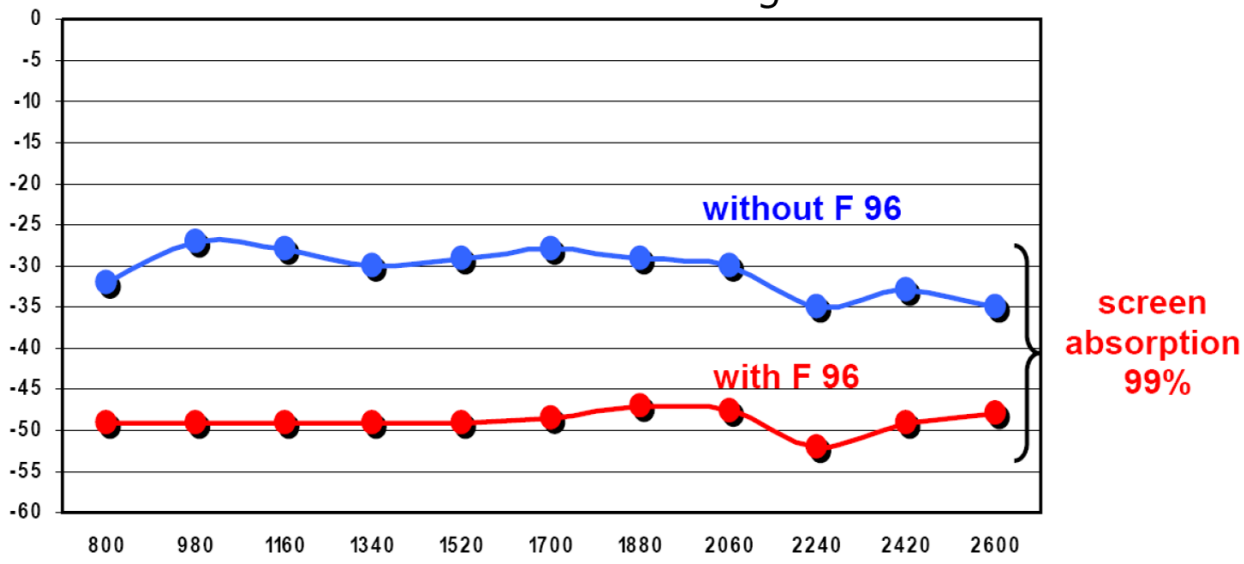
A new material made from soft magnetic ferrite for electromagnetic shielding, flexible coils or other magnetic applications.
The film has a very good shielding efficiency and a high EMC absorption capacity!
Its high initial permeability ensures good magnetic properties. Its high flexibly allows performance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

APPLICATIONS

- EMC - Absorption
- Flexible PCB
- LED - arrays

Properties	*symbol*	**unit**	**F 96**
Color			black
Relative Loss Factor 1.0 KHz 0.1 MHz	tanδ		 0.20 0.01
Dielectric Constant 1.0 KHz 0.1 MHz	εr		 2.80 0.20
Thermal Properties			
Thermal Resistance	R_{th}	K/W	0.56
Thermal Impedance	R_{ti}	°Cmm²/W Kin²/W	238 0.329
Thermal Conductivity	λ	W/mK	1.0
Electrical Properties			
Breakdown Voltage	$U_{d;ac}$	kV	> 200
Dielectrical Breakdown	$E_{d;ac}$	kV/mm	1.0
Mechanical Properties			
Measured Thickness (±10%)		mm	0.225
Hardness		Shore A	82
Tensile Strength		N/mm²	0.7
Elongation		%	40
Physical Properties			
Application Temperature		°C	-40 to +200
Density		g/cm³	3.02
Flame Class		UL	94V-0
Possible Thickness		mm	0.225 – 0.500

Power Level Attenuation through F 96



MH&W International Corp.
575 Corporate Drive
Mahwah, NJ 07430-2330
Tel: (201) 891-8800
Fax: (201) 891-0625
THERMAL PRODUCTS DIVISION
Email: thermal@mhw-intl.com
Internet: http://www.mhw-thermal.com