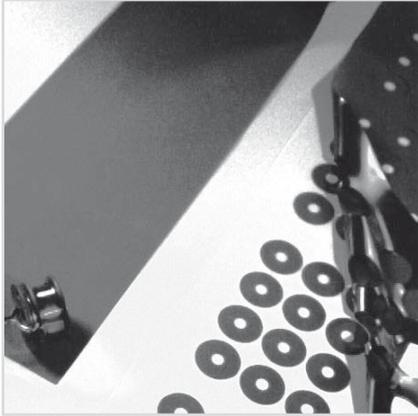


## F 96

### soft magnetic ferrite



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.

## Applications

- EMC-absorbtion
- flexible PCB
- LED-arrays

Properties	Unit	F 96
Colour		black
Initial permeability $\mu_i$		14 $\pm$ 20 %
Thermal Properties		
Thermal resistance Rth	K/W	0.56
Thermal impedance Rti	$^{\circ}\text{Cmm}^2/\text{W}$	238
	$\text{Kin}^2/\text{W}$	0.329
Thermal conductivity $\lambda$	W/mK	1
Electrical Properties		
Breakdown voltage Ud; ac	kV	> 200V
Dielectric breakdown Ed; ac	kV/mm	1
Relativ loss factor ( $\tan \delta/\mu_i$ )		
DF 1,0 kHz		0.20
DF 0,1 kHz		0.01
Dielectric constant $\epsilon_r$		
$\epsilon_r$ 1,0 kHz		2.80
$\epsilon_r$ 0,1 kHz		0.20
Mechanical Properties		
Measured thickness (+/-10%)	mm	0.225
Hardness	Shore 00	82
Tensile strength	N/mm <sup>2</sup>	0.7
Elongation	%	40
Physical Properties		
Application temperature	$^{\circ}\text{C}$	-40 to +200
Density	g/cm <sup>3</sup>	3.02
Flame rating	UL-94	V-0
Possible thickness	mm	0.225 - 0.500

### **Important notes**

The data presented in this leaflet are in accordance with the present state of our knowledge. All statements, technical information and recommendations herein are based on tests we believe to be reliable. The customer is thereby not absolved from carefully checking all supplies immediately on receipt. The recommendations made in this catalogue should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. Before using, user shall determine the suitability of the product for its intended use, and the user assumes all risks and liability whatsoever in connection there with. We reserve the right to alter product constants within the scope of technical process or new developments. The recommendations do not absolve the customer from the obligation of investigating the possibility of infringement of third parties right and, if necessary, clarifying the position. Sellers' and manufacturer' only obligation shall be to replace such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable either in tort or contract for any loss or damage, direct or incidental, or consequential, including loss of profits or revenue arising out of the use or the inability to use a product. No statement, purchase order or recommendations by seller or purchaser not contained herein shall have any force or effect unless in an agreement signed by the officers of the seller and manufacturer.

**30-06-2014**