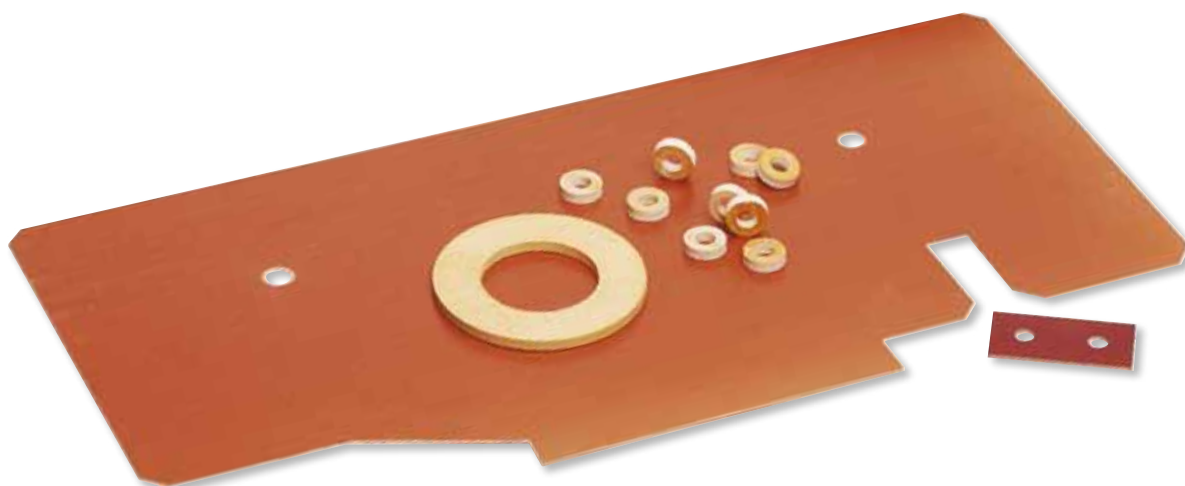


Thermal break sheets & strips

GB / 7.1 / Rev. 3

MORTON



odice
PASSIVE FIRE PROTECTION



Product description

MORTON is a laminated composite made from glass fabric and phenolic resin, especially formulated for fire resistance. It is presented in the form of sheets or pre-cut strips. It contains no halogen and does not release any toxic gases.

Physical characteristics

Density - ISO 1183 (g/cm ³)	1,82
Water absorption on 5 mm thickness - ISO 62 (%)	2
Temperature index - IEC 216 (°C)	130
Thermal conductivity at 20°C (W/m.K)	0,3

Resistance and behaviour when exposed to fire

Inflammability - IEC 7-7	BH1
Fire reaction - NF P 92507	M1 (test report on request)
Smoke index classification - NF F 16101	F1 (test report on request)
UL 94 flame resistance - NFT 51072	94V0

Mechanical characteristics

Flexural strength - ISO 178 (MPa)	200
Flexural elastic modulus - ISO 178 (MPa)	16 000
Tensile strength - ISO 527 (MPa)	150
Compressive strength - ISO 604 (MPa)	400
Impact strength (notched) - ISO 179 (kJ/m ²)	50
Shear strength - NF C 26151 (MPa)	7

Electrical properties

Transverse dielectric strength IEC 243 (kV/mm)	1,5 (thick. 3 mm)
Longitudinal breakdown voltage IEC 243 (kV)	20
Dissipation factor at 50 Hz IEC 250 (tg δ)	0,01
Permittivity at 50 Hz - IEC 250 (μ)	5
Total insulating resistance - IEC 167 (Ω)	10 ⁶
Tracking and erosion resistance IEC 112 (V)	100

Example of applications and product range

- Thermal breaks when installing fire resistant doors and partitions, and in kilns and paint booth.

Standard sizes

3030 x 1220 mm or pre-cut strips (please contact us).

Thicknesses

2, 3, 4 and 5 mm (for other thicknesses, please contact us).

Colour

Dark brown/dark purple.

Machining work

Our workshops can machine all types of part to customers' dimensions according to accurate drawings.

Safety measures

- Observe the usual workplace health and safety rules.
- Refer to the safety data sheet.

IMPORTANT: while the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either express or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding products described or designs, data or information set forth, or that the products, designs, data or information may be used without infringing the intellectual property rights of others. In no case shall the descriptions, information, data or designs provided be considered a part of our terms and conditions of sale. Further, you expressly understand and agree that the descriptions, designs, data and information furnished by ODICE hereunder are given free of charge and ODICE assumes no obligation or liability for the description, designs, data and information given or results obtained, all such being given and accepted at your risk.



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