

Keraflex®

Porcelain tape



Keraflex® is a soft porcelain tape, which was developed explicitly for art and design objects. Artists, designers, schools or hobbyists use Keraflex® tape to create jewelry, lighting elements, furniture components, objects of the plastic arts or origami sculptures. The tape is based on ceramic raw materials and an organic binding matrix. The high flexibility even allows the production of complex origami - objects.

The tape can be sintered in every traditional pottery kiln. For beginners KERAFOLE® offers also the attractive porcelain starter kit box. The material can be purchased from one of our dealers mentioned in our purchase information on our homepage: www.keraflex.com

Sintered porcelain

Typical characteristics	Unit	Value
Colour	-	white - beige
Surface roughness R_{max}	μm	1.6
Thickness	mm	0.5 / 1.0
Gross density	g/cm^3	2.4
Firing temperature	$^{\circ}\text{C}$	1280
Bending strength	MPa	23
Ceramic material	-	soft porcelain
Dielectric strength at 20°C	kV/mm	> 12.0
Thermal expansion coefficient	10^{-6}K^{-1}	7.0
Translucence	-	yes

Green tape

Typical characteristics	Unit	Value
Colour	-	beige
Solvent	-	slightly water soluble
Tensile strength at 20°C	N/mm^2	1.35
Dielectric strength	kV/mm	12.0
Gross density	g/cm^3	1.6
Standard dimensions	DIN A	3 / 4
Shelf life	month	12
Shrinkage at 1280°C	%	~ 18.0

Advantages

- creativity encouraging ceramic material for artists, designers, schools or hobbyists
- ideal ceramic material for thin-walled design and art objects
- starter kit with extensive information for beginners available

Applications

- construction material for artists and designers
- handcraft material for art schools



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.

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