Continental Trade Sp. z o.o.
ISO 9001
Continental Trade Sp. z o.o.
Krasnobrodzka 5; 03-214 Warszawa
tel. : +48 22 6701181, +48 22 6190733
fax : +48 22 6185938
www.continentaltrade.com.pl
office@continentaltrade.com.pl

INFORMATION SHEET

Flexible micanite plate E-5660-S series

We offer a **flexible micanite plate E-5660-S series**. E-5660-S series flexible micanite plates, also known as glue mica paper, have good elasticity and flexibility at room temperature, and can be curled into different shapes as desired. This plate can be folded for more than 10 times and pressed by heavy objects without breaking. According to customer demand, the voltage resistance ability can be increased to 1-2 times of conventional standard value. E-5660-S can be used as cover plate, separate plate, insulating plate or heat-resistant sealing material. Typically it is used as: hot-air spray gun, induction furnace, motor, transformers and so on.

Relative to general insulation material, the prominent advantages of the flexible mica plate are:

- excellent insulating properties at high temperature: at 500 - 1000 °C operating ambient temperature, the voltage breakdown resistance is 15KV/mm;
- good tensile property: it can be processed into a variety of shapes without layer separation;
- excellent environmental protection performance: the product contains no asbestos, and has less smoke and odors, even smokeless and odorless when heating;
- resistant to temperatures up to 1000 ° C;
- excellent acid, alkali and oil resistance.

Specifications::

- typical sizes of plates: 1000×600mm, 1000×1200mm, 1000×2400mm
- thickness: 0.1 mm, 0.15 mm, 0.2 mm .. 3 mm (± 10%)

Note: The product less than 2.0mm thickness can be formed by stamping. The products larger than 2.0mm shall be processed by turning, milling, drilling and other processes.

Storage:
Stored in dry and moisture-proof indoor place at room temperature, there is no service life limit.

Parameters of flexible micanite plates:

Item	Unit	E-5660-S1	E-5660-S3	Testing procedure
Mica paper		Muscovite	Phlogopite	
Mica content	%	ca. 90	ca. 90	IEC 371-2
Bond content	%	ca. 10	ca. 10	IEC 371-2
Density	g/cm^3	1,6 - 2,0	1,6 - 2,0	IEC 371-2
Heat resistant				
- continuous services	℃	500	750	
- intermittent services	℃	800	1000	
Heat loss at 500 ℃	%	<1	<1	IEC 371-2
Heat loss at 700 ℃	%	<2	<2	IEC 371-2
Flexural strength	N/mm^2	<1	<1	GB/T5019
Dielectric strength	kV/mm	>15	>15	IEC 243
Flame resistance		90V0	90V0	UL94
Tensile strength	N/mm^2		ok. 20	DIN 52910
Compressibility	%		15	ASTM F36-J
Return from deformation	%		40	ASTM F36-J
Relaxation strength	N/mm^2		40	DIN 52913