

Mica Plate

Dexlu Item No.: D050101



Properties

HP5 series of rigid heater mica plate is made of muscovite or phlogopite mica paper impregnated with high temperature resistant silicone resin, which is used as supporting insulation for resistance wire heating elements in electric toasters, hair dryers, irons, curlers, electric hot combs, strip heaters, baseboard heaters and for gaskets and other applications with excellent resistance to moisture, thermal and mechanical properties and good electrical properties.

HP5 series flexible heater mica is made of muscovite or phlogopite mica paper impregnated with a heat resistant binder and polymerized by a heat treatment which is used in band and strip heaters, barrier and layer insulation, furnace gaskets and applications with high heat and moisture resistance. It also can be formed into tubular shapes and used as thermal and electrical insulation in hot air guns.

Data Form

Mica plate		Unit	Muscovite	Phlogopite	Muscovite	Phlogopite
Type		—	Rigid		Flexible	
Binder		—	Silicon			
Thickness		mm	0.15~1.50	0.15~1.50	0.15~0.25	0.15~0.25
Thickness Tolerance	Average	mm	±0.03~±0.05	±0.03~±0.05	±0.02~±0.25	±0.02~±0.25
	Individual		±0.05~±0.08	±0.05~±0.08	±0.04~±0.06	±0.04~±0.06
Density		g/cm ³	2.05~2.15	2.05~2.15	1.90~2.00	1.90~2.00
Heating loss		%	≤1.00	≤0.60	≤2.00	≤2.00
Heating grade		℃	≥550	≥950	≥550	≥950
Flexural strength		kgf/mm ²	≥23	≥20	—	—
Dielectric strength		kv/mm	>25	>20	>15	>15
Insulation resistance		m·Ω	200~600	100~600	—	—

Specification

Area: 1000mm x 600mm, 1000mm x 1200mm

Packing: In Pallet

Min Qty: 200kg each size in a lot, 1000kg per order

Note: The values noted in above technical specification are given only for our customers' reference and should not be used in writing specifications.