

Rigid mica material for heating equipment is a kind of hard platelike insulate made of our muscovite paper mixed with proper adhesive after pressed and baked.

It has high mechanical strength and good property of heat resistance. It can be used within 550 - 800°C for a long time. Now it has been widely used in metallurgy, chemical - engineering and electric industries, etc.

Type	Anti-Heat Temperature	Normal Thickness	Length and Width
HP ₅ (MR-1)	550 - 800°C	0.2-1 or up distance 0.05	1000 x 600 1000 x 1200

Normal Thickness	Nominal Difference	
	Thickness of Test sample	Individual measuring value underground and grounded
0.20	±0.04	±0.05
0.30	±0.04	±0.05
0.40	±0.04	±0.06
0.50	±0.05	±0.07
0.60	±0.05	±0.07
0.80	±0.06	±0.08
1.00	±0.07	±0.10
Over 1.00	-	±10%

Item	Unit	Standard Value	
		Hp5	Hp6
Adhesive Content≤	%	6	6
Density ≥	g/cm ³	2.1	2.1
Ratio of Layer Split≤	%	3	3
Flexural Strength	Kgf/cm ²	1500	822
Dielectric Strength≥	Kv/mm	20	20
Specific volume resistance≥	Ω.m	1.1 x 10 ¹⁴	7.8 x 10 ¹²
Loss of heating ≤	%	2.0	2.0

The Storage time for rigid mica material for heating equipment is 6 months standard Nr GB5022-85