

## **NATURAL MICA DATA SHEET**

<b>Properties</b>		<b>Muscovite</b>
Chemical formula		Kal AlSi O (OH)
Colour		Ruby & Pale green
Specific gravity		2.7~3.0
Hardness	Mohs	2.8~3.2
Specific heat		0.206~0.209
Thermal Conductivity	Cal/ sec C	16x10
Coefficient of Expansion	per C	(9~36)x10
Tensile Strength	kgf/mm	30~45
Compression Strength	kgf/mm	50~70
Modulus of Elasticity	kgf/mm	(14~21)x10
Calcining Temperature	C	600~800
Ignition Loss	(900 Cx 3Hrs)%	4~5
Acid Reaction	H SO	no affected
Alkali Reaction	NaOH	no affected
Dielectric Strength	kv/0.1 mm	18~25
Dielectric Constant	(1MHz)	6~9
Power Factor	(50 Hz)%	0.01~0.03
Power Factor	(1MHz)%	0.08~0.09
Resistivity	Ωcm	10 ~10