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Attamica H * Product Data Sheet

Attamica H Silicone Bonded Muscovite Sheet - MPSB

Material Details

Grade:	Attamica H *
Description:	Silicone Mica paper. Silicone bonded muscovite sheet
Comments:	Pressed silicone mica muscovite. Thinner sheets punchable and often used as carriers for heater elements in electrical appliances. Thick sheets may be cut and machined as required into finished parts for applications where temperature resistance is paramount. * Not manufactured by The Attwater Group
Body Colour:	Silver Grey
Cover Colour:	Silver Grey
Finish:	Matt
Size:	1200 x 1000 Thickness Range: 0.12 - 75.0

Typical Applications

- Bolt Insulation
- Busbar Supports
- Furnace Insulation
- Gasket Manufacture
- High Frequency Insulation
- High Temperature Components
- Low Loss Insulation
- Microwave Windows
- Punched Components
- Thermal Splash Barriers

- Track Resistance

General Properties

Property	Unit of measure	Typical Value
Flammability Category†	--	UL94V0
Water Absorption	%	<1
Density	g/cm3	2.1

¥ Where relevant, the flammability test method is used solely to control and monitor consistency of production. Under no conditions should the results be considered in relation to fire hazards under actual conditions of use.

Electrical Properties

Property	Unit of measure	Typical Value
Electric Strength (Flat Rapid)	kV/mm	25

Mechanical Properties

Property	Unit of measure	Typical Value
Flexural Strength	MPa	200
Compressive Strength (22ºC)	MPa	360
Compressive Strength (200ºC)	MPa	235

Thermal Properties

Property	Unit of measure	Typical Value
Thermal Rating Continuous	°C	500
Thermal Rating Intermittent	°C	800
Thermal Shock	°C	800
Weight Loss at 550ºC	%	<2
Thermal Conductivity ⊥	W/mK	0.3

Disclaimer: The above values are based upon routine test data and do not form the basis of a supply contract. These products may be used in a diverse range of applications and whilst every effort is made to ensure the information in this data sheet is accurate, it must be stressed that it is the user’s responsibility to ensure suitability for the intended end use.

Source: https://www.attwater.com/products/attamica-h/