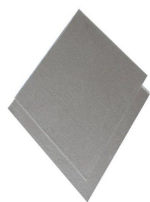


Foglio di Mica



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Characteristics	Test specification	HP5M Muscovite	HP5P Phlogopite	HP5S Synthetic
Mica	IEC 371-2	≥90%	≥90%	≥90%
Bond content	IEC 371-2	≤10%	≤10%	≤10%
Density	IEC 371-2	1,8 - 2,38 kg/dm ³	1,90 -2,40kg/dm ³	1,8 - 2,38 kg/dm ³
Heat resistance	Continuous Intermittent	500°C 700°C	700°C 900°C	1000°C 1200°C
Dielectric strength	IEC 243 - 23°C	> 20 KV/mm	> 19 KV/mm	> 20 KV/mm
Insulation resistance	at 23°C at 550°C	> 5.0X10 ¹⁰ W.cm >3.0X10 ⁸ W.cm	> 5.0X10 ¹⁰ W.cm > 3.0X10 ⁸ W.cm	> 5.0X10 ¹⁰ W.cm > 3.0X10 ⁸ W.cm
Weight loss at 500/550°C	IEC 371-2	< 1.0 %	< 1.0 %	< 1.0 %
Thermal Conductivity	Heat Flux / thermal Gradient	0.007	0.007	0.007
Tensile strength	ISO 527	> 100 N/mm ²	> 90 N/mm ²	> 90 N/mm ²
Flexural strength	ISO 178	> 180 N/mm ²	> 150 N/mm ²	> 150 N/mm ²
Water absorption	DIN 53475	< 0.5 %	< 0,5 %	< 0,50 %
Heat loss % ≤	IEC 371-2	500°C 0,5 % 700°C 0,8 %	500°C 0,5 % 700°C 0,8 %	500°C 0,5 % 700°C 0,8 %

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