



MICATECH®

High Temperature Vermiculite Precision components

MICATECH®		1100-D3	1100-D6	1100-D7
Nominal Density	Kg / m ³	375	600	700
Classification Temperature	°C	1100	1100	1100
Compressive strength	MPa	1.5	4.5	5.0
Modulus of rupture	MPa	0.5	1.8	2.3
Linear shrinkage, 12 hours	900°C	0.1	0.1	0.1
	1050°C	1.5	1.5	1.5
Permanent thermal expansion	m /mK	8.5 x 10 ⁻⁶	8.5 x 10 ⁻⁶	8.5 x 10 ⁻⁶
Thermal conductivity at mean temperature of:				
	200°C	0.12	0.16	0.19
	400°C	0.15	0.18	0.20
	600°C	0.18	0.20	0.26
	800°C	0.20	0.22	0.29
SPecific Heat	kJ /kgK	0.80	0.80	1.0
Humidity content	%	2-3	2-3	2-3
Smoke emission		None		
Resistenza alla fiamma		excellent		
Chemical resistance		hydrocarbon, carbon monoxide, molten aluminium, CH ₄ (atm), fluoride, cryolite.		

Special parts are manufactured on customer's demand

The above data are given in good faith and refer to internal standard test procedures based on internationally recognized testing methods; they are subjected to normal fluctuation during the production process. No warranty are herewith given regarding specific applications without our prior written approval. Our data sheets cannot be used for technical specifications purposes without our authorization. All right reserved – Promat is a registered trademark.

