



MONALITE®

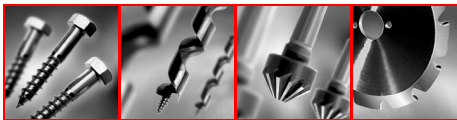
Technical ceramics made out of calcium silicate for non ferrous applications and structural insulation

| MONALITE® | | M1 | M1-A | G 34 | |
|---|--------------------|------------------------|------------------------|------------------------|------|
| Classification temperature (operating) | °C | 850 | 1000 | 850 | |
| Nominal density | Kg /m ³ | 850 | 970 | 950 | |
| Flexural strength | MPa | 8 | 10 | 6 | |
| Hardness | Shore D | 60 | 65 | 60 | |
| Compressive strength 10% compaction | MPa | 15 | 18 | 15 | |
| Shrinkage at 750°C, 12 hours (length, width / thickness) | % | 0.1 / 0.4 | 0.01 / 0.05 | 0.3 / 1.2 | |
| Thermal conductivity at mean temperature | | | | | |
| | 200°C | W /mK | 0.22 | 0.28 | 0.30 |
| | 400°C | | 0.23 | 0.27 | 0.29 |
| | 750°C | | 0.26 | 0.27 | 0.30 |
| Thermal expansion | K ⁻¹ | 6.1 x 10 ⁻⁶ | 6.2 x 10 ⁻⁶ | 5.5 x 10 ⁻⁶ | |
| L.O.I. | % | 3.1 | 2.7 | 5.6 | |

Sizes: Length (mm) 1500 / 3000 Width (mm) 1220 Thickness (mm) 12,7 - 19,1 - 25,4 - 31,8 - 38,1 - 50,8, 76,2, (101,6)

Tolerances: Thickness ± 0.4 mm Length / Width ± 3.0 mm

Workability:



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.

