

FUSED SILICA
HOT PRESS PLATENS
CASTABLE CERAMICS
FIRED SHAPES
AEROSPACE TOOLING

Foundry Service & Supplies, Inc.

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HI-TEMP INSULATIONS
CALCIUM SILICATE BOARDS
MILLBOARD AND BLANKET
PAPERS AND CEMENTS
CUTTING AND FABRICATING

Maxfire Ceramic Fiber Board

| INDEX | STD GRADE | HP GRADE | HZ GRADE |
|--|--|--|--|
| Temperature | 2300 °F | 2300 °F | 2600 °F |
| Working Temp. | 2100 °F | 2100 °F | 2462 °F |
| Melting Point | 3200 °F | 3200 °F | 3300 °F |
| Color | cream | cream | cream |
| Available Density (Kg/m ³) (lbs / ft ³) | 260 – 420 16(LD) – 26(HD) | 260 – 420 16(LD) – 26(HD) | 260 – 420 16(LD) - 26(HD) |
| LOI (% by Wt) | 6-7% | 6-7% | 4-6 % |
| Dielectric Strength | 25.4 volts/mil | 25.4 volts/mil | 25.4 volts/mil |
| Shrinkage (%) 24 Hrs at temp. °F | -3 (1832 °F) | -3 (2012 °F) | -3 (2462 °F) |
| Thermal Conductivity (W/m k) for density of 285 kg./m ³ (18 lbs / ft ³) | 0.085 (752 °F) 0.132 (1472 °F) 0.180 (1832 °F) | 0.085 (752 °F) 0.132 (1472 °F) 0.180 (1832 °F) | 0.085 (752 °F) 0.132 (1472 °F) 0.180 (1832 °F) |
| Tensile Strength (Mpa) | 0.5 | 0.5 | 0.5 |
| | | | |
| Al ₂ O ₃ | 46 | 47-49 | 39-40 |
| Al ₂ O ₃ +SiO ₂ | 97 | 99 | - |
| AL ₂ O ₃ +SiO ₂ +ZrO ₂ | - | - | 99 |
| ZrO ₂ | - | - | 15-17 |
| Fe ₂ O ₃ | <1 | 0.2 | 0.2 |
| Na ₂ O+K ₂ O | <0.5 | 0.2 | 0.2 |
| | | | |
| Sizes Available | 24"X36"; 24"X48" | 24"X36"; 24"X48" | 24"X36"; 24"X48" |
| Thickness | 1/2", 1", 1.5", 2" | 1/2", 1", 1.5", 2" | 1/2", 1", 1.5", 2" |