



IRECAST 18

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|--|---|
| Max. Temperature Service: | 980 °C |
| Classification: | Very Light weight cast able |
| Main Raw Material Component: | Fireclay & calcium – aluminate binder |
| Type Of Bond: | Hydraulic |
| Water required For Pouring | 48 – 64 % |
| Dry Castable Required | 700 Kg/m ³ |
| Features and Main Applications: | Low Thermal Conductivity. Excellent resistance to thermal shock. Easily installed by casting or troweling & may be gunned. Recommended for Chemical & Petrochemical Industries, Various industrial furnaces , boilers, incinerators, stacks and as backup for other refractories. |

| Chemical Composition (Calcined base) | | | |
|--|--------------------------|--------------------------------------|--------------|
| Al₂O₃ % | SiO₂ % | Fe₂O₃ % | CaO % |
| 25 – 30 | 35 – 50 | 5.0 – 8.0 | 10 – 16 |

| Thermomechanical Properties | | |
|------------------------------------|------------------------|-------------------------------|
| | | <i>After drying at 110 °C</i> |
| Bulk Density | (Kg/m ³) | < 780 |
| Cold Crushing Strength | (kg/cm ²) | > 10 |
| Linear Change | (%) | Negligible |

All data based on cast specimens . ASTM procedures , where applicable , used for determination of data .

For data of vibration cast or gunned , consult our sales & Engineering service's experts .

All data subject to reasonable deviations , and therefore , should not be used for specification purposes .ASTM Test Methods, where applicable, used for determination of data.

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