



IRAN REFRACTORIES COMPANY

TECHNICAL DATA SHEET



ALPINAL 85 IF

Temperature Service:	1800 °C
Classification:	Neutral Ramming Mass Based on Alumina – Spinel
Main Raw Material Component:	Blended mixture of carefully sized high alumina aggregate and Spinel
Type Of Bond:	Ceramic
Grain Size:	0 – 6 mm
Dry Material Required:	3000 Kg/m ³
Features and Main Applications:	Excellent resistance to high temperature, abrasion and corrosion. Low shrinkage. Recommended for working layer of Induction Furnaces.

Chemical Composition (Calcined base)

Al₂O₃ %	SiO₂ %	MgO %	Fe₂O₃ %
85.5	0.8	12.5	0.1

Thermomechanical Properties

*After drying at
110 °C*

Bulk Density (Kg/m³) > 2950

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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