

# **Aathivinayaga Refractories**



## **Technical Data Sheet**

### **Product Name : Fire In Cast - 9**

SI No	Properties	Value
1	Service Temperature °C (Max)	1000
2	Grain Size (MM) (Max)	6
3	Water Required to Mix	
4	Method of Installation	
5	Bulk Density (gm/cc) (Min) Dried at 110°C	0.9
<b>Cold Crushing Strength (Kg/Cm<sup>2</sup>) (Min)</b>		
1	110°C	15
2	800°C	10
3	1100°C	
4	1200°C	
<b>Permanent Linear Change (%) (Max)</b>		
1	800°C	1
2	1000°C	1.2
3	1100°C	
<b>Thermal Conductivity (Kcal/m/hr/°C)</b>		
1	400°C	0.19
2	600°C	0.21
3	800°C	0.23
4	1000°C	
<b>Chemical Analysis (%)</b>		
1	Al <sub>2</sub> O <sub>3</sub>	30
2	Fe <sub>2</sub> O <sub>3</sub>	5
<b>Recommended Application Areas</b>		

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