



## SIAM ENGINEERING CERAMICS CO., LTD.

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### **CERPLAST-80G**

SEC-Spec-Cerplast-80G Rev.00

#### **TECHNICAL DATA SHEET**

**CERPLAST-80G** is purity dense bauxite, white fused alumina based in type of ceramic-bonded plastic refractory. This plastic refractory is suitable for use extremely severe conditions with abrasion, slag and metal penetration. High density and strength plastic refractory which resists thermal spalling.

#### **PHYSICAL PROPERTIES :**

Maximum Service Temperature	°C	1750
Maximum Grain Size of Aggregates	mm	7.5
Modulus of Rupture		
- After Drying at 110°C	kg/cm <sup>2</sup>	30-50
- After Drying at 1400°C	kg/cm <sup>2</sup>	60-80
Bulk Density After Drying at 110°C	kg/ m <sup>3</sup>	2350
Bulk Specific Gravity	kg/ m <sup>3</sup>	3160
Refractoriness	PCE	38
Moisture Content	%	9-10

#### **CHEMICAL ANALYSIS :**

Alumina (Al <sub>2</sub> O <sub>3</sub> )	%	80.0
Silica (SiO <sub>2</sub> )	%	15.0
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> )	%	0.5

The above data are typical properties for the most commonly produced commercial sizes. All data subject to reasonable deviation only, and should not be used for specification purposes. ASTM test methods, and SEC's written procedure, where applicable used for determination of data.

**"Quality and Services are Our Mission"**