

## TECHNICAL DATA SHEET

### GDPM - Dry Castable

Chemical Composition		
Al <sub>2</sub> O <sub>3</sub> %		25-35
SiO <sub>2</sub> %		35-40
CaO %		5-6
Physical Technology Data		
Bulk density g/cm <sup>3</sup>	110°C, 24h	1.8-1.9
	1350°C, 3h	1.9-2.0
Bending strength MPa	110°C, 24h	4.5-6
	1350°C, 3h	6-7
Compressive strength MPa	110°C, 24h	30-35
	1350°C, 3h	45-50
1350°C Reheating linear change %		+(0.1-0.3)
Water content to mixture %		10-12
Service temperature °C		1350

### Feature

1. Easy to operate - Times and labor saving, shorten the work time, reduce work strength of workers.
2. Superior property:
  - A. High mechanical strength,
  - B. Good thermal shock resistance,
  - C. Tiny linear variation, no cracking,
  - D. Resistant to scour and erosion,
  - E. Good abrasion resistant,
3. Good volume stability under high temperature.
4. Extend service life: high technical content, good property in using.

### Applications

Product	Service temperature	Application
Dry Castable s--- Fire clay (chamotte) castable	1300-1450°C	The lining of steel rolling heating furnace, heat treatment furnace, boiler, shaft kiln, preheating zone of rotary kiln

The data shown above is average results of test under standard procedures. There shall be some adjustment in normal mass manufacturing. For more information on the safety application or materials, please refer to the work practices and material safety data sheet.