

Product Datasheet

MMP CAST HEAT A HS

Brand Name: -	MMP CAST HEAT A HS
Type	90% Alumina Dense Castable (High Strength)
Nature of Bond	Hydraulic
Installation	Vibration Casting/Patching/Tamping
Raw Material Base	Insulating Aggregate & Perlite
Max Service Temp.	1700 °C
Max Grain Size	0-5 mm
% Retained above Max Size	5.0 Max
Water Required for Casting	8.5-10.0 %
Chemical Analyses: - (%)	Typical
Al ₂ O ₃ :	90.0 Min.
Fe ₂ O ₃ :	0.50 Max
CaO :	6.00 Max
Physical Properties: -	
B. D (gm/cc) Drying at 110°C/24 hrs.	2.80 Min
Cold Crushing Strength (Kg/cm²):	
Drying at 110°C/24 hrs.	700Min
Fired at 1100°C/3hrs.	300Min
Fired at 1550°C/3hrs	700Min
Permanent Linear Change (%)	
Fired at 1100°C/3hrs.	0.2 Max
Fired at 1550°C/3hrs.	± 1.0 Max

Packing: 25 Kg Bags

Storage Life: 9 Months

Delivery State: Dry

The data shown are based on average results on production samples and are subject to normal variation on individual tests hence cannot be taken as specification. Max and min. values are given separately for testing purpose.

Water requirements indicated are based on laboratory test conditions. Actual water requirement may vary subject to site conditions. The properties shown are for vibratory cast material only unless specified otherwise. All values are based on test results on standard bars of size 160x40x40 mm. Test methods are guided by and based on various Indian Standards (IS).

Product Datasheet

MMP CAST HEAT C

Brand Name: -	MMP CAST HEAT C	
Type	Alumino-Silicate Castable	
Nature of Bond	Hydraulic	
Installation	Vibration Casting	
Max Service Temp.	1350 °C	
Max Grain Size	0-5 mm	
% Retained above Max Size	5.0 Max	
Water Required for Casting	11-12%	
Chemical Analyses: - (%)	Typical	Testing Procedure
Al ₂ O ₃ :	47-51%	IS 1527/12107
CaO :	4.5-5.5	
Physical Properties: -		
B. D (gm/cc) Drying at 110°C/24 hrs.	2.00 Min	
Cold Crushing Strength (Kg/cm²):		
Drying at 110°C/24 hrs.	250-350	IS 10570 Ref: 1528 Part IV
Fired at 1100°C/3hrs.	150-250	
Permanent Linear Change (%)		
Fired at 1100 °C /3hrs.	± 0.3 Max	IS 10570 Ref: 1528 Part VI

Packing: 25 Kg Bags

Storage Life: 9 Months

Delivery State: Dry

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Water requirements indicated are based on laboratory test conditions. Actual water requirement may vary subject to site conditions. The properties shown are for vibratory cast material only unless specified otherwise. All values are based on test results on standard bars of size 160x40x40 mm. Test methods are guided by and based on various Indian Standards (IS).

Product Datasheet

MMP CAST HEAT K

Brand Name: -	MMP CAST HEAT K
Type	60% Alumina Dense Castables
Nature of Bond	Hydraulic
Installation	Patching
Max Service Temp.	1550 °C
Max Grain Size	5 mm
Water Required for Casting	11.0 - 14.0 %
Chemical Analyses: - (%)	Typical
Al ₂ O ₃ :	60.10
Fe ₂ O ₃ :	1.30
Physical Properties: -	
B. D (gm/cc) Drying at 110°C/24 hrs.	2.20
Cold Crushing Strength (Kg/cm²):	
Drying at 110°C/24 hrs.	350
Fired at 1100°C/3hrs.	250
Fired at 1500°C/3hrs	400
Permanent Linear Change (%)	
Fired at 800°C/3hrs.	-0.09
Fired at 1100°C/3hrs.	-0.12
Fired at 1500°C/3hrs.	-1.1

Packing: 25 Kg Bags

Storage Life: 9 Months

Delivery State: Dry

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Water requirements indicated are based on laboratory test conditions. Actual water requirement may vary subject to site conditions. The properties shown are for vibratory cast material only unless specified otherwise. All values are based on test results on standard bars of size 160x40x40 mm. Test methods are guided by and based on various Indian Standards (IS).

Product Datasheet

MMP WHYTE K SPL (25 Kgs)

Brand Name: -	MMP WHYTE K SPL (25 Kgs)
Type	60% Alumina Dense Castables
Nature of Bond	Hydraulic
Installation	Patching
Max Service Temp.	1500 °C
Max Grain Size	5 mm
Water Required for Casting	11.0 - 14.0 %
Chemical Analyses: - (%)	Typical
Al ₂ O ₃ :	60.10
Fe ₂ O ₃ :	1.30
Physical Properties: -	
B. D (gm/cc) Drying at 110°C/24 hrs.	2.20
Cold Crushing Strength (Kg/cm²):	
Drying at 110°C/24 hrs.	350
Fired at 1100°C/3hrs.	250
Fired at 1500°C/3hrs	400
Permanent Linear Change (%)	
Fired at 800°C/3hrs.	-0.09
Fired at 1100°C/3hrs.	-0.12
Fired at 1500°C/3hrs.	-1.1

Packing: 25 Kg Bags

Storage Life: 9 Months

Delivery State: Dry

The data shown are based on average results on production samples and are subject to normal variation on individual tests hence cannot be taken as specification. Max and min. values are given separately for testing purpose.

Water requirements indicated are based on laboratory test conditions. Actual water requirement may vary subject to site conditions. The properties shown are for vibratory cast material only unless specified otherwise. All values are based on test results on standard bars of size 160x40x40 mm. Test methods are guided by and based on various Indian Standards (IS).

Product Datasheet

MMP WHYTE K

Brand Name: -	MMP WHYTE K
Type	55% Alumina Dense Castables
Nature of Bond	Hydraulic
Installation	Patching
Max Service Temp.	1450 °C
Max Grain Size	5 mm
Water Required for Casting	12.0 - 14.0 %
Chemical Analyses: - (%)	Typical
Al ₂ O ₃ :	55.50
Fe ₂ O ₃ :	1.70
Physical Properties: -	
B. D (gm/cc) Drying at 110°C/24 hrs.	2.12
Cold Crushing Strength (Kg/cm²):	
Drying at 110°C/24 hrs.	300
Fired at 1100°C/3hrs.	180
Fired at 1400°C/3hrs	380
Permanent Linear Change (%)	
Fired at 800°C/3hrs.	-0.09
Fired at 1100°C/3hrs.	-0.12
Fired at 1400°C/3hrs.	-1.1

Packing: 25 Kg Bags

Storage Life: 9 Months

Delivery State: Dry

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Water requirements indicated are based on laboratory test conditions. Actual water requirement may vary subject to site conditions. The properties shown are for vibratory cast material only unless specified otherwise. All values are based on test results on standard bars of size 160x40x40 mm. Test methods are guided by and based on various Indian Standards (IS).