



Low Cement Castable

DESCRIPTION	LCM 45
Base Component	Calcined Mullite Grain
Physical Properties	
Refractoriness °C	32
Maximum Service Temperature °C	1717
Maximum Service Temperature °C	1550
Dry Density (gm/cc) after drying at 110 °C	2.30
Cold Crushing Strength (Kg/cm2) after drying	
at 110 °C/24 Hrs	700
at 800 °C/3 Hrs	800
at 1100 °C/3 Hr	900
P. L. C % (max) after heating at 1100 °C min	± 0.2
% Water Required for Casting	5.0 – 6.5
Maximum Grain Size (mm)	0 – 5
Chemical Analysis	
Al ₂ O ₃ (%) Min	45.00
Fe ₂ O ₃ (%) Max	1.2



Low Cement Castable

DESCRIPTION	LCM 50
Base Component	Calcined Mullite Grain
Physical Properties	
Refractoriness °C	33
Maximum Service Temperature °C	1741
Maximum Service Temperature °C	1575
Dry Density (gm/cc) after drying at 110 °C	2.35
Cold Crushing Strength (Kg/cm2) after drying	
at 110 °C/24 Hrs	700
at 800 °C/3 Hrs	800
at 1100 °C/3 Hr	900
P. L. C % (max) after heating at 1100 °C min	± 0.2
% Water Required for Casting	5.5 – 6.5
Maximum Grain Size (mm)	0 – 5
Chemical Analysis	
Al ₂ O ₃ (%) Min	50.00
Fe ₂ O ₃ (%) Max	1.2



Low Cement Castable

DESCRIPTION	LCM 60
Base Component	Calcined Mullite Grain
Physical Properties	
Refractoriness °C	36
Maximum Service Temperature °C	1804
Maximum Service Temperature °C	1650
Dry Density (gm/cc) after drying at 110 °C	2.45
Cold Crushing Strength (Kg/cm2) after drying	
at 110 °C/24 Hrs	750
at 800 °C/3 Hrs	800
at 1100 °C/3 Hr	900
P. L. C % (max) after heating at 1100 °C min	± 0.2
% Water Required for Casting	5.5 – 6.5
Maximum Grain Size (mm)	0 – 5
Chemical Analysis	
Al ₂ O ₃ (%) Min	60.00
Fe ₂ O ₃ (%) Max	1.2



Low Cement Castable

DESCRIPTION	LCM 70
Base Component	Calcined Mullite Grain
Physical Properties	
Refractoriness °C	37
Maximum Service Temperature °C	1820
Maximum Service Temperature °C	1750
Dry Density (gm/cc) after drying at 110 °C	2.52
Cold Crushing Strength (Kg/cm2) after drying	
at 110 °C/24 Hrs	750
at 800 °C/3 Hrs	850
at 1100 °C/3 Hr	1000
P. L. C % (max) after heating at 1100 °C min	± 0.2
% Water Required for Casting	5.5 – 6.5
Maximum Grain Size (mm)	0 – 5
Chemical Analysis	
Al ₂ O ₃ (%) Min	70.00
Fe ₂ O ₃ (%) Max	1.2



High Purity Dense Castable

DESCRIPTION	PASHEAT 'A'
Base Component	Brown Sintered Alumina
Physical Properties	
Refractoriness °C	37
Maximum Service Temperature °C	1820
Maximum Service Temperature °C	1750
Dry Density (gm/cc) after drying at 110 °C	2.75
Cold Crushing Strength (Kg/cm2) after drying	
at 110 °C/24 Hrs	600
at 800 °C/3 Hrs	
at 1100 °C/3 Hr	
P. L. C % (max) after heating at 1100 °C min	
% Water Required for Casting	
Maximum Grain Size (mm)	5
Chemical Analysis	
Al ₂ O ₃ (%) Min	90.00
Fe ₂ O ₃ (%) Max	1.0



High Purity Dense Castable

DESCRIPTION	PASHEAT 'K'
Base Component	Calcined Diaspor
Physical Properties	
Refractoriness °C	32
Maximum Service Temperature °C	1700
Maximum Service Temperature °C	1600
Dry Density (gm/cc) after drying at 110 °C	2.2
Cold Crushing Strength (Kg/cm2) after drying	
at 110 °C/24 Hrs	350
at 800 °C/3 Hrs	
at 1100 °C/3 Hr	
P. L. C % (max) after heating at 1100 °C min	
% Water Required for Casting	
Maximum Grain Size (mm)	5
Chemical Analysis	
Al ₂ O ₃ (%) Min	60.00
Fe ₂ O ₃ (%) Max	1.5



High Purity Dense Castable

DESCRIPTION	PASHEAT 'C'
Base Component	Hard Calcined Nonplastic Clay
Physical Properties	
Refractoriness °C	30
Maximum Service Temperature °C	1650
Maximum Service Temperature °C	1525
Dry Density (gm/cc) after drying at 110 °C	2.1
Cold Crushing Strength (Kg/cm2) after drying	
at 110 °C/24 Hrs	350
at 800 °C/3 Hrs	250
at 1100 °C/3 Hr	220
P. L. C % (max) after heating at 1100 °C min	± 0.2
% Water Required for Casting	9 – 11
Maximum Grain Size (mm)	5
Chemical Analysis	
Al ₂ O ₃ (%) Min	50.00
Fe ₂ O ₃ (%) Max	1.5