

CASTING POWDERS

Powder For MC Steel

Chemical Compositions	
ITEM	
CaO/SiO ₂	1.00-1.20
SiO ₂ (%)	27.0-33.0
CaO+MgO(%)	37.0-43.0
Al ₂ O ₃ (%)	<6.0
Fe ₂ O ₃ (%)	<2.0
Na ₂ O+K ₃ O(%)	6.0-10.0
F-	6.0-10.0
Ct(%)	4.0-7.0
Cf(%)	2.0-6.0
H O(%)	<0.5

Physical Properties	
ITEM	
Bulk Density(g/cm ³)	0.6-1.0
Softening Temperature(°C)	890-950
Semispherical Point Temperature(°C)	1040-1110
Flowing Temperature(°C)	1050-1115
Size(0.15-1.0mm(%))	>90
Viscosity(at 1300)(Pa.s)	0.14-0.18

Powder of LC Steel

Chemical Compositions	
ITEM	
CaO/SiO	0.65-1.05
SiO ₂ (%)	31.0-37.0
CaO+MgO(%)	28.5-34.5
Al ₂ O ₃ (%)	<5.0
Fe ₂ O ₃ (%)	<3.5
Na ₂ O+K ₂ O(%)	5.5-9.5
F-	5.5-9.5
Cf(%)	2.0-6.0
H ₂ O(%)	<0.5

Physical Properties	
ITEM	
Bulk Density(g/cm ³)	0.6-1.0
Softening Temperature(°C)	800-860
Semispherical Point Temperature(°C)	1030-1090
Flowing Temperature(°C)	1040-1110
Size(0.15-1.0mm(%))	>90
Viscosity(at 1300)(Pa.s)	0.15-0.19

Powder for ULC Steel

Chemical Compositions	
ITEM	
CaO/SiO ₂	0.62-1.02
SiO ₂ (%)	34.5-41.5
CaO+MgO(%)	30.0-36.0
Al ₂ O ₃ (%)	<6.0
Fe ₂ O ₃ (%)	<1.5
Na ₂ O+K ₂ O(%)	6.0-10.0
F-	4.0-8.0
Cf(%)	0.5-1.5
H ₂ O(%)	<0.5

Physical Properties	
ITEM	
Bulk Density(g/cm ³)	0.6-0.9
Softening Temperature(°C)	810-870
Semispherical Point Temperature(°C)	1020-1080
Flowing Temperature(°C)	1030-1090
Size(0.15-1.0mm(%))	>90
Viscosity(at 1300)(Pa.s)	0.23-0.27

Powder for Beam Blank

Chemical Compositions	
ITEM	
CaO/SiO ₂	0.64-1.04

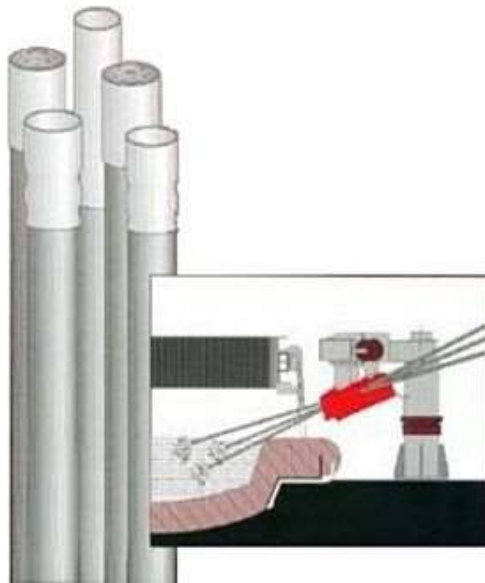
SiO ₂ (%)	33.0-39.0
CaO+MgO(%)	25.0-31.0
Al ₂ O ₃ (%)	<5.0
Fe ₂ O ₃ (%)	14.0-16.0
Na ₂ O+K ₂ O(%)	8.0-12.0
F-	7.0-11.0
H ₂ O(%)	<0.8

Physical Properties	
ITEM	
Bulk Density(g/cm ³)	0.6-1.0
Softening Temperature(°C)	840-900
Semispherical Point Temperature(°C)	1030-1090
Flowing Temperature(°C)	1140-1200
Size(-200mesh)(%)	>90
Viscosity(at 1300)(Pa.s)	0.18-0.22





Starting Powder

Tundish Cover

Ceramic Lance Pipes



SPECIFICATION

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Type 1	Both ends threaded with one coupling and one plastic cap	
Type 2	Both ends threaded with one coupling and one plastic cap	
Type 3	No threads	
Type 4	No threads with one press coupling	

NOMINAL BORE SIZE (mm)	LENGTH
15 (1/2'')	5500 mm OR 2750 mm
20 (3/4'')	
25 (1'')	
32 (1 1/4'')	
40 (1 1/2'')	