



PLASTIC CASTABLE (PC)

Typical Parameters

Description		MCC			
		PC65	PC75	PC80	PC90
Service Temperature (°C)		<<1550	<<1600	<<1650	<<1700
Bulk Density (kg/m ³) Dried@110°C		2400	2500	2600	2800
CCS (Mpa)	110°C	30	65	80	85
	1100°C	45	70	90	95
	1500°C	50	90	100	110
MOR (Mpa)	110°C	8	9	10	12
	1100°C	9	10	11	13
	1500°C	10	11	12	14
Max Grain Size (mm)		3~5	3~5	3~5	3~5
Chemical Analysis (%)					
Al ₂ O ₃		>>65	>>75	>>80	>>90
Fe ₂ O ₃		<<2.0	<<2.0	<<1.8	<<1.5
Installation Procedures					
Mixer		Paddle	Paddle	Paddle	Paddle
Placement		Ramming	Ramming	Ramming	Ramming
Water/Mixing Temp(°C)		20±5	20±5	20±5	20±5
Mixing Time(Min): Dry/Wet		1/3	1/3	1/3	1/3
Water (%)		30~35	30~35	30~35	30~35

The plastic castable will be supplied in two components namely in powder form and liquid form, The two components are to be mixed in the recommended proportion in a sand mixer and rammed by pneumatic tools or hand ramming.

Note: Above are average typical test data subject to reasonable variations.