

FIRE MAN REFRACTORIES PRIVATE LIMITED

CASTABLES

TECHNICAL DATA SHEET

CASHTABLES Fireman Brand			FRL CAST BOILER	FRL CAST 50 NORMAL	FRL CAST 70 SUPER	FRL CAST 50K	FRL CAST 90A
CHEMICAL PROPERTIES							
Alumina as	Al ₂ O ₃	% min	38	48	68	58	87
Iron as	Fe ₂ O ₃	% max	3	3	3	2	2
PHYSICAL PROPERTIES							
Grain Size	Grain Size	In mm (max)	0-5	0-5	0-5	0-5	0-5
Dry Density as	B.D	Kg/m ³	2000	2100	2400	2300	2700
Strength as at 110c	C.C.S	Kg/cm ² min	250	350	350	350	550
Strength as at 800c	C.C.S	Kg/cm ² min	240	280	300	300	480
THERMAL PROPERTIES							
Thermal change	P.L.C	at 1500 C/3hrs %max	+/-1.0	+/-1.0	+/-1.5	+/-1.0	+/-1.5
Service Temp Degree.C		Max C	1300	1350	1400	1560	1650
WATER ADDITION FOR CASTING: 10% IN NORMAL CONDITION, +/-2% IF NEEDED AT SITE AS PER CUSTOMER PRACTICES.							