



THE QUALITY OF CASTABLE

Typical Properties

Brand		LCS-A50HS (TD-21)		LCS-A80HS	
		Properties			
Max. Service Temperature °C		1550		1650	
Quantity Required (Kg/m <sup>3</sup> )		2400		2800	
Water Required For Mixing (%)		6-8		6.5-7.5	
Chemical Composition (%)	Al <sub>2</sub> O <sub>3</sub>	53.0		82.0	
	SiO <sub>2</sub>	42.0		5.3	
	Fe <sub>2</sub> O <sub>3</sub>	1.0		1.0	
	CaO	2.8		2.1	
Modulus of Rupture After Heating (Mpa)	110°C	5.0		12.0	
	1000°C	6.0		15.0	
	1400°C	---		14.7	
	1500°C	21		---	
Permanent Linear Change(%)	110°C	0		0-	
	1000°C	0		0	
	1400°C	---		0.5~1.0	
	1500°C	0.37		---	
Thermal Expansion (%)	110°C	---		---	
	1000°C	+0.6		---	
	1500°C	+0.40		---	
Thermal Conductivity (W/m.k)	At 500°C	1.74			
	At 1000°C	1.63		2.03	
Cold Crushing Strength After Heating (Mpa)	110°C	43		66	
	1000°C	52		73	
	1400°C	---		74	
	1500°C	90		---	
Packing (Kg)		25		25	
Storage life (Month)		12		12	