

LC 90 , LC 60 DATA SHEET

Brand Name	LC 90	LC 60	Teting Standard
Base Raw Material	Brown Fused Alumina and High Purity Cement OR WFA	Calcined Clay / Bauxite and high purity Cement	NA
Application Temperature	1700C	1600C	As Per Bidder Standard Practice
Max Grain Size	5-6mm	5-6mm	IS : 1528 (Part 14)
Water Required (%)	4-5%	5.0 - 6.5	NA
Installation Method	Vibration Casting	Vibration Casting	NA
Chemical Properties (%)	Spec Value	Spec Value	
Al ₂ O ₃	90 min	60 min	IS : 12107 (Part 3) or XRF
Fe ₂ O ₃	1 Max	1.2 max	IS : 12107 (Part 6) or XRF
CaO	1.5 Max	1.5 max	ASTM C 573 or XRF
SiO ₂ / Sic	Remaining	Remaining	
Physical Properties			
BD (gm/cc)	2.95 - 3.1 Min	2.6 Min	IS : 10570
CCS (Kg/cm ²)			
At 110°C/24hrs	950 Min	750 min	IS : 10570
At 800°C/3hrs	1000Min	850 min	
At 1100°C/3hrs	1100 - 1275	900 min	
At 1350°C/3hrs	NA	NA	
At 1500°C/3hrs	NA	NA	
Thermal Properties			
PLC (%)			
At 800°C/3hrs	As per Bidder Specification	As per Bidder Specification	ASTM C113, 1993 OR IS : 10570
At 1100°C/3hrs	As per Bidder Specification	As per Bidder Specification	
At 1500°C/3hrs	As per Bidder Specification	As per Bidder Specification	
Thermal Conductivity			
W/mk			
At 400°C HF	2.2 Max	0.95	BIS 9490
At 600°C HF	2.30Max	1.12	
At 800°C HF	2.35 Max	1.20	
Abrasion Loss (cc)	3.74 max After heating 1200C/3 hrs	6.0 max after heating 1200 C/3hrs	ASTM C - 704
Shelf Life	6 Month	6 Month	NA
Packing	50 Kg or 25 Kg	50 Kg or 25 Kg	NA

ate *Y* 17-04-2017

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