

PRODUCT: CALAL 70
TYPE: HIGH PURITY 70% ALUMINA BINDER

CHEMICAL ANALYSIS, %

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Al ₂ O ₃	68.0 - 71.0	69.5	IS 12107 Part 3
Fe ₂ O ₃	0.10 - 0.30	0.24	IS 12107 Part 6
CaO	28.0 - 31.0	29.5	BIS 4032

PHYSICAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Specific Surface Area (cm ² /g)	3800 - 4400	4050	IS 4031(Part – 2)
CCS after 1 day, kg/cm ²	350 - 515	425	Calderys Procedure TP/042 Based on EN 196 -1
MOR after 1 day, kg/cm ²	55 - 80	68	Calderys Procedure TP/042 Based on EN 196 -1
Setting Time, Minutes Initial Final	200 – 350 250 – 400	280 330	Calderys Procedure TP/042 Based on EN 196 -1
Flow Property, % T ₁₅	50 - 125	85	Calderys Procedure TP/042 Based on EN 196 -1

THERMAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Refractoriness, Orton / °C		20 / 1564	IS 1528 Part 1

MINERALOGICAL PROPERTIES

	RANGE	TYPICAL VALUE	TEST PROCEDURE
Mineralogy Major phase Minor phase		CA, CA ₂ α – A, C ₁₂ A ₇	X-ray Diffractometry

Packaging: 1 MT Jumbo Bags / 25 Kg Bags

Delivery State: Dry

Storage Life: Best till 9 months from the date of production, if stored in proper condition.

Note:

- (1) The data are current production averages. They can not be used as limits for specification.