ARCICAST M0

Chemical Analysis (Standard)		
%	Typical	Guaranteed
Al_2O_3	42,0	Min 40,5
SiO_2	54,5	
Fe_2O_3	0,70	
K_2O	1,50	Max 2,0

Physical Properties	
Bulk density (g/cm^3)	2,30-2,50
Apparent Porosity (%)	1-9
Water absorption (%)	0,5-5,0
Refractoriness (ºC)	>1700
Coefficient of expansion (30-1000 ºC)	$4,35 \times 10^{-6} K^{-1}$

Magnetics	
Coarse	≤ 100 ppm
Intermediate	≤ 170 ppm
Milled	≤ 120 ppm

Mineralogical Composition
Mullite ≈ 55 %
Amorphous phase ≈ 45 %

ARCIRESA
ARCILLAS REFRACTARIAS S.A.

Particle Size Gradings

Gradings		Coarse						Intermediate										Milled					
		6 - 18		10 - 18		18 - 35		25 - 35		-25		35 - 80		-35		-80		-120		-200		-325	
ASTM	mm	3.35 - 1.0		2.0 - 1.0		1.0 - 0.5		0.71 - 0.5		0.71 - 0		0.5 - 0.18		0.5 - 0		0.18 - 0		0.125 - 0		0.075 - 0		0.045 - 0	
6	3.35	90%	100% 85%	90%	100% 95%																		
10	2.0			90%	100% 85%																		
14	1.4					90%	100% 85%																
18	1.0	5%	10% 0%	5%	10% 0%	90%	100% 85%	90%	100% 95%	90%	100% 95%												
25	0.71	1%	5% 0%	1%	5% 0%			90%	100% 85%	90%	100% 85%	90%	100% 95%	90%	100% 95%								
35	0.5					5%	10% 0%	5%	10% 0%			90%	100% 85%	90%	100% 85%								
50	0.3					1%	5% 0%	1%	5% 0%	40%	55% 15%	60%	80% 40%			90%	100% 95%						
80	0.18											5%	10% 0%	40%	55% 15%	90%	100% 85%	90%	100% 95%				
120	0.125											1%	5% 0%			60%	70% 50%	90%	100% 85%	90%	100% 95%		
200	0.075									10%	20% 0%			20%	30% 0%	25%	35% 15%	80%	90% 60%	90%	100% 85%	90%	100% 95%
325	0.045															15%	25% 5%	60%	80% 40%	70%	90% 60%	90%	100% 85%