

**Caolines de Vimianzo S.A.u.****TECHNICAL DATA SHEET**

HT04/2

**KAOLIN C-35 (C-35)**

Num. CAS: 1332-58-7

**Product Specifications**

		Value	Tol.
Particle size:	+ 53 $\mu\text{m}$ :	0.05%	max
	+ 10 $\mu\text{m}$ :	10%	$\pm 1$
	- 2 $\mu\text{m}$ :	40%	$\pm 5$
Brightness (ISO):		69	$\pm 3$
Moisture:	%	10%	$\pm 2\%$

**Product Characteristics**

		Typical Value	
Yellowness:		15	$\pm 2$
pH (20% S):		5,5	
Bulk density:		1000	$\text{kg/m}^3$
Casting concentration:	(mass % solids):	62	$\pm 2$
Mass Sodium silicate:	(0,5 Pa.s):	0.3	$\pm 0.1$
Fired properties at 1280 °C:			
Contraction (%):		8	$\pm 2$
Absorption (%):		18	$\pm 2$
Brightness:		75	$\pm 2$

Chemical analysis:	SiO <sub>2</sub> :	47% $\pm 1\%$
	Al <sub>2</sub> O <sub>3</sub> :	36,65% $\pm 0,5\%$
	Fe <sub>2</sub> O <sub>3</sub> :	1,50% $\pm 0,2\%$
	MgO :	0.15% $\pm 0,1\%$
	CaO :	0.05% $\pm 0,1\%$
	K <sub>2</sub> O :	1,60% $\pm 0,4\%$
	Na <sub>2</sub> O :	0.15% $\pm 0,1\%$
	TiO <sub>2</sub> :	0.1% $\pm 0,1\%$
	P.F. :	13% $\pm 0,5\%$
Mineralogical analysis:	Kaolinite:	85-95%
	Muscovite:	10-15%
	Other Minerals:	2%

Aspect:	Little rods, $\varnothing \approx 6-8$ mm, 10-30 mm length.
Delivery form:	Bulk // Big-bags 1.2 t // Bagged 25kg on pallets
The data quoted correspond to average of productions, using the methods of analysis under the <b>CAVISA</b> Quality System	

Edition: 4	Revised: Quality Manager	Approved: General Manager
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