

PRODUCT TYPE .....	: LCC. High alumina dense refractory castable.
Maximum recommended temperature .....	: 1700 °C
Main component .....	: Bauxite
Refractoriness, Seger Cone .....	: SC > 35 (1770 degrees Celsius)
Type of bond .....	: Hydraulic. Mixing time circa 5 minutes.
Installation method .....	: Cast-vibration
Packing .....	: 25 kg sack or bigbags
Storage .....	: Dry conditions. Minimum storage time: 6 months.
Maximum grain size .....	: 5 mm
Material required per m <sup>3</sup> , casting .....	: 2850 kg
Water required for mixing on site, casting .....	: 5,5 %

## Chemical analysis

Calcined basis, unit%

Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	SiC	MgO	ZrO <sub>2</sub>	Cr <sub>2</sub> O <sub>3</sub>	CaO	TiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	P <sub>2</sub> O <sub>5</sub>	Alkalies
83	14							1		

## Physical properties

				Average value cast	Units
Bulk density – after drying at 110 °C				2,85	Kg/dm <sup>3</sup>
Open porosity	- after firing at	110	°C	9,0	%
	- after firing at				
Cold crushing strength	- after firing at	110	°C	110	MPa
	- after firing at	1200		140	
	- after firing at	1400		130	
	- after firing at	1600		130	
Modulus of rupture	- after firing at	110	°C	16-18	MPa
	- after firing at	800		20-25	
	- after firing at	1400		16-20	
E-modulus	- after firing at		°C		MPa
	- after firing at				
	- after firing at				
Permanent linear change	- after firing at	110	°C	0	%
	- after firing at	1200		-0,3	
	- after firing at	1400		-0,4	
	- after firing at	1600		-0,4	
Thermal conductivity	- at a mean temperature of	800	°C	1,95	W/m*K
	- at a mean temperature of	1000		1,9	
	- at a mean temperature of	1400		1,9	

The data are current production averages. They cannot be used as limits for a specification

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