



CLAYRAC™

SHREDDED CLAYS FOR REFRACTORIES

	CLAYRAC 4200 R	CLAYRAC 4000 R	CLAYRAC 3870 R	CLAYRAC 3800 R
SIZE / PRESENTATION	Shredded clay			
MOISTURE				
(%)	20,0	18,0	18,0	18,0
LOSS OF IGNITION				
(%)	14,0	13,0	13,0	12,0
CHEMICAL ANALYSIS (% on fired)				
Al ₂ O ₃	42,5	40,5	40,0	38,0
SiO ₂	53,2	54,3	55,2	56,2
Fe ₂ O ₃	1,3	1,5	1,7	1,8
TiO ₂	1,4	1,7	1,7	2,0
K ₂ O	0,6	0,8	0,7	1,1
Na ₂ O	0,1	0,1	0,1	0,2
CaO	0,3	0,3	0,3	0,3
MgO	0,3	0,3	0,2	0,3
CUMULATIVE RESIDUE BY WET SIEVING (%)				
200 µm	0,0	0,1	0,2	0,5
125 µm	0,2	0,4	1,0	1,5
40 µm	0,9	1,2	1,8	2,8
DEFLOCCULATION				
Density (g/l)				1700
Sodium silicate (‰)				5
Gallenkamp viscosity (°)				310
MODULUS OF RUPTURE				
110°C	2,0 MPa	2,0 MPa	2,2 MPa	2,1 MPa
FIRING 1300°C				
Shrinkage (%)	16,0	14,5	13,0	13,0
water absorption (%)	3,0	3,5	4,0	5,0
REFRACTORINESS				
°C	1770	1750	1750	1730

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