

Grade	ANDALUX A60
Product group	<i>HIGH ALUMINA ANDALUSITE BRICKS</i>
Application	<i>Structural lining of heating units</i>
Remarks	-

Chemical analysis	Declared value	Typical value	Unit	Standard
Al_2O_3	60,00	61,00	%	PN EN ISO 12677 PN-85/H-04154
Fe_2O_3	1,50	1,40	%	

Properties	Declared value	Typical value	Unit	Standard
<i>Bulk density</i>	2,50	2,55	g/cm ³	PN EN 993-1
<i>Apparent porosity</i>	18	16	%	PN EN 993-1
<i>Cold crushing strength</i>	50	60	N/mm ²	PN EN 993-5

Additional informations	Declared value	Typical value	Unit	Standard
<i>Thermal shock resistance at 950°C (water changes)</i>	-	30	n	BN-65/6760-05
<i>Refractoriness under the load $t_{0,6}$</i>	-	1620	°C	PN-69/H-04178
<i>Thermal conductivity</i>				PN EN 993-15
$800^{\circ}C$	-	1,70	W/mK	
$1100^{\circ}C$	-	1,85		
$1400^{\circ}C$	-	1,96		
<i>Linear thermal expansion</i>				PN EN 993-19
$800^{\circ}C$	-	0,37	%	
$1100^{\circ}C$	-	0,57		
$1400^{\circ}C$	-	0,78		
<i>Linear after-contraction or after-expansion</i>				PN EN 993-10
$1500^{\circ}C/2h$	-	-0,1	%	

Product data sheet represent typical average values obtained in accordance with generally accepted, standardized testing methods conducted under controlled conditions. Declared values correspond to rectangular, mechanically pressed products and cannot be unconditionally transferred to other formats. Products properties may be subjected to fluctuations typical of the manufacturing process. reserves the right to modify technical data sheet at any time without prior notice.