SKO-D

acid resistant brick for working lining - up to 1350°C

Grade			SKO-D
Maximum service temperature		°C °F	1350 2462
Bulk density, dry (EN ISO 2811-1)		kg/m³ lbs/cu.ft.	2050 128
Cold crushing strength (SRPS/EN ISO 604)		MPa lbs/sq.in.	40 5557
Termal expansion at 100°C		%	+0.54
Linear permanente change at 1200°C		%	+0.2/-0.2
Total porosity (EN 1094-4:1995)		%	17
Acid soluability (70% H_2SO_4), Lost in mass%		%	1.8
Water absorption		%	7.02
Coefficient of reversible thermal expansion @ 20 - 750°C (68 - 1382°F)		x10^{-6} K^{-1} x10^{-6} °F^{-1}	0.7 0.4
Resistance to thermal shock (EN 993-11:1998)		Cycles	14
Pyrometric cone equivalent (ASTM C24-01 Orton cones)		°C °F	1540 2804
Thermal conductivity (ASTM C-182)	mean temp.	W/(m×K)	
	@ 400°C		1.25
	@ 700°C		1.32
	@1100°C		1.35

Chemical analysis, typical		%
Silica	SiO_2	63.0
Titanium dioxide	TiO_2	
Ferric oxide (max)	Fe_2O_3	2.0
Alumina	Al_2O_3	31.0
Magnesium oxide	MgO	-
Natrium oxide	Na_2O	1.5
Loss on ignition	LOI	-

HS Tariff number (Harmonized Commodity Description and Coding System)	6901.00.00
Colour	

Data are average results of tests conducted under standard procedures and are subject to variation. Data contained in this data sheet are supplied in good faith as a technical service and are subject to change without notice. Misprint and errors excepted.
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