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RANDOM PACKINGS | CERAMIC

Ceramic Raschig rings CRS 23



Ceramic Raschig rings

Ceramic Raschig rings for random packing of mass transfer columns.

Water absorption	< 0.5%
Apparent porosity	< 1%
Specific gravity	2.3 to 2.4
Max. operating temperature	1,000 °C
Mohs hardness	> 6.5
Acid resistance	> 99.6%
Alkali resistance	> 85%

Chemical composition

Al_2O_3	SiO_2	Fe_2O_3	CaO	MgO	$K_2O + Na_2O$	Other
17-23%	68-73%	< 1.2%	< 0.5%	< 0.5%	2-4%	< 2%

Dimensions and physical properties

Size (mm)	Thickness (mm)	Surface area (m^2/m^3)	Free volume (%)	Number per m^3	Bulk density (kg/m^3)	Packing factor (m^{-1})
16 x 16	2	305	73	192,500	650	900
20 x 20	2 to 2.5	245	73	109,000	640	836
25 x 25	3	185	75	47,700	600	520
38 x 38	4 to 5	123	77	13,700	560	280
50 x 50	5 to 6	92	77	5,900	550	214
80 x 80	8 to 9	60	77	1,400	535	120