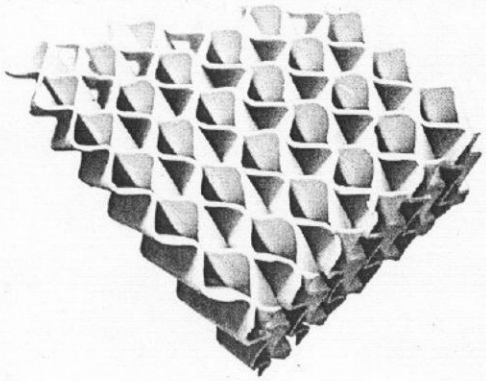
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Ceramic structured packing



Chemical composition

Index	Value	Index	Value
SiO_2	≥72%	Al_2O_3:	≥23%
Fe_2O_3	≤0.5%	MgO	≤1.0%
CaO	≤1.0%	Other	2%

Physical Property

Index	Unit	Value
Specific gravity	g/cm^3	2.5
Water absorption	wt%	≤0.5
Acid resistance	wt%	≥99.5
Loss in burn	wt%	≤5.0
Max. operating Temp.	℃	800
Crush strength	MPa	≥130
Moh's Hardness	Scale	≥7

Geometric characteristic

Model.	Specific surface m^2/m^3	Bulk density kg/m^3	Void ratio %	Obl. angle	Pressure drop mmHg/m	Theo. plate m^{-1}	Hydraulic diameter mm	Liquid load m^3/m^2h	Max. Factor $m/s\ (Kg/m^3)^{-1}$
125Y	125	320	90	45°	1.8	1.8	28	0.2~100	3.0
160Y	160	370	85	45°	2	2	15	0.2~100	2.8
250Y	250	420	80	45°	2	2.5	12	0.2~100	2.6
350Y	350	470	78	45°	2.5	2.8	10	0.2~100	2.5
400Y	400	500	75	45°	3	3	8	0.2~100	2.0
450Y	450	520	72	45°	4	4	7	0.2~100	1.8
550Y	550	620	74	45°	5.5	5~6	6	0.18~100	1.4
700Y	700	650	72	45°	6	7	5	0.15~100	1.3
100X	100	280	92	30°	1.5	1	30	0.2~100	3.5
125X	125	300	90	30°	1.8	1.5	28	0.2~100	3.2
160X	160	350	85	30°	2	1.8	15	0.2~100	3.0
250X	250	380	80	30°	2.5	2.3	12	0.2~100	2.8
350X	350	450	78	30°	3	2.5	10	0.2~100	2.6
400X	400	480	75	30°	4	2.8	8	0.2~100	2.2
450X	450	500	72	30°	4.5	3~4	7	0.2~100	2.0
470X	470	440	75	30°	5	5	7	0.2~100	1.8
550X	550	620	74	30°	5.5	5~6	6	0.18~100	1.4
700X	700	650	72	30°	6	7	5	0.15~100	1.3