Ceramic Random Packing

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Chempack ceramic random packing features high density and great resistance to heat, various inorganic acid, organic acid and organic solvents (except for hydrofluoric acid). It is widely used in drying towers, absorbing towers, cooling towers, washing towers, regenerative towers and desulfurization towers. High quality and economically priced, our ceramic random packing is in great demand in the chemical engineering, metallurgy, coal gas, acid and oxygen production, pharmacy, and other industries.

Our ceramic random packing includes
Ceramic Raschig Ring, Ceramic Saddles, Ceramic Super Saddles, Ceramic Cross Partition Ring, Ceramic Berl Saddles, Ceramic Cascade Mini Ring, etc.

1. Ceramic Saddle
Our ceramic saddle is a product developed from the arc saddle. However, it changes the both arched surface to rectangular surface and features different interior and exterior radius of curvature. This construction eliminates the problem of nesting, and also results in even distributed porosity, improved distribution of the fluid, as well as greater capacity and lower pressure drop than Raschig ring.
Sizes (mm): 12, 16, 19, 25, 38, 50, 76.

Name	Normal mm	Diameter*Height*Thickness mm	Surface Area m^2/m^3	Void Space %	Bulk Density kg/m^3	No. Elements per/m^3	Packing Factor m^{-1}
Intalox saddles	ø16	16*12*2	450	70	710	382000	1311
	ø25	25*19*3	250	74	610	84000	617
	ø38	38*30*4	164	75	590	25000	389
	ø50	50*40*5	142	76	560	9300	323
	ø76	76*57*9	92	78	520	1800	194

2. Ceramic Super Saddles
Our ceramic super saddle is designed to improve the distribution of internal gas and liquid. The unique scalloped edge is essential to the product's high performance in terms of great capacity, low pressure drop and high rates of mass transfer. Unlike ordinary saddles, it doesn't have such problem as nesting. This type of saddle is typically used in applications where high temperature and chemical attack resistance are required.
Sizes (mm): 25, 38, 50, 76.

Name	Normal mm	Diameter*Height*Thickness mm	Surface Area m^2/m^3	Void Space %	Bulk Density kg/m^3	No. Elements per/m^3	Packing Factor m^{-1}
Super Intalox	ø25	25*19*3	160	78	530	52000	337
	ø38	38*30*4	102	80	480	16000	199
	ø50	50*40*5	88	81	450	7300	166
	ø76	76*57*9	58	82	430	1600	105

3. Ceramic Raschig Ring
Our ceramic Raschig ring is used in commercial fractional distillation columns to reduce pressure loss without compromising high efficiency and economy. Compared to ordinary tower packing, our Raschig ring offers larger surface areas. In addition, it handles heavy loading, process upsets and temperature shocks. As a result, it is widely used in a wide range of mass transfer applications.
Sizes (mm): 6, 10, 15, 25, 35, 40, 50, 80, 100, 150

Name	Normal mm	Diameter*Height*Thickness mm	Surface Area m^2/m^3	Void Space %	Bulk Density kg/m^3	No. Elements per/m^3	Packing Factor m^{-1}
Rasching ring	ø16	16*16*3	250	66	820	178000	870
	ø25	25*25*3	147	78	510	42000	310
	ø38	38*38*4	100	80	458	12000	195
	ø50	50*50*5	80	81	465	5600	156
	ø76	76*76*9	62	75	575	1700	147

4. Ceramic Cross Ring, Ceramic Lessing Ring
Our ceramic cross ring is column packing designed from the Raschig ring. It has cross partitions inside which could increase the surface and improve the transfer efficiency. It is widely used for the supporting packing at the bottom of tower. Size 80-200mm ceramic cross-partition rings with the void more than 60% are utilized as the supporting material.
Sizes (mm): 50, 80,100,120,150, 200

Name	Normal mm	Diameter*Hei	Surface Area	Void Space %	Bulk Density	No. Elements	Packing

		ght* Thickness mm	m^2/m^3		kg/m^3	per/m^3	Factor m^{-1}
Cross-partition ring	ø50	50*50*5	135	50	520	5600	1080
	ø80	80*80*8	120	53	780	2100-2500	806
	ø100	100*100*10	110	56	750	900-1000	626
	ø150	150*150*15	60	58	680	270-300	308

5. Ceramic Berl Saddle

Berl saddle is tower packing shaped like a saddle. Compared with Raschig rings, it performs better in the aspects of even fluid distribution and low resistance. It also makes lower pressure against the inner wall of the tower than the ring packing.
Sizes (mm): 16, 19, 25, 38, 50, 76

6. Pall Ring

Pall ring is a type of efficient packing that is improved from Rasching ring. Compared with trays, standard cylindrical rings and other random packing, our pall ring offers higher capacity and lower pressure drop, as a result of its opened cylinder walls and inward bent protrusions. This open ring design also ensures an even distribution and resists wall-channeling tendencies. In addition, it is resistant to plugging, fouling and nesting.
Sizes (mm): 25, 38, 50, 80

Name	Normal mm	Diameter*Height* Thickness mm	Surface Area m^2/m^3	Void Space %	Bulk Density kg/m^3	No. Elements per/m^3	Packing Factor m^{-1}
Pall ring	ø25	25*25*3	210	73	630	36000	540
	ø38	38*38*4	140	75	590	12000	332
	ø50	50*50*5	100	78	520	4900	210
	ø76	76*76*9	70	80	470	1500	137

As an experienced ceramic random packing manufacturer in China, we at Chempack are dedicated to satisfying our customers by providing quality products. To achieve this, we utilize qualified raw material, employ highly experienced staff, make our products in accordance with ISO9001:2000 standards, and strictly monitor each process of production. As a result, we can supply high quality tower packing to customers worldwide.
If you are looking for other products like hydrotreating catalyst, catalyst support media, zinc oxide catalyst, etc., we at Chempack can also help you with your needs. Please contact us for more information. Our staff is waiting to serve you.

FEED BACK FORM

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