

CERAMIC SUPER SADDLES

Air Purification

Application: Ceramic Random Packing Media

Ceramic Super Saddles

Specification of Ceramic Supper Saddles

Size		Unit	Deck Diamter (mm)	Outside Diameter (mm)	Height (mm)	Wall Thickness (mm)	Width (mm)
1"	25mm	mm	25	38	19	3.0	20
		inch	0.984	1.496	0.748	0.118	0.787
1.5"	38mm	mm	38	60	30	4.0	30
		inch	1.496	2.362	1.181	0.157	1.181
2"	50mm	mm	50	80	40	5.0	40
		inch	1.969	3.150	1.575	0.197	1.575
3"	76mm	mm	76	114	57	9.0	57
		inch	2.992	4.488	2.244	0.354	2.244

We customize all products and materials to individual customer needs and specifications.

Chemical Composition

SiO ₂ (%)	>69	MgO (%)	<0.2
Al ₂ O ₃ (%)	15-23	K ₂ O+Na ₂ O (%)	2-4
SiO ₂ + Al ₂ O ₃ (%)	>92	Fe ₂ O ₃ (%)	<1
CaO (%)	<0.25	Other (%)	<1

CERAMIC SUPER SADDLES

Air Purification

Application: Ceramic Random Packing Media

We customize all products and materials to individual customer needs and specifications.

Ceramic Super Saddles

Physical Performance of Ceramic Saddles

Item	Size	1" 25mm	1.5" 38mm	2" 50mm	3" 76mm
Number per m ³		39,200	21,500	8,500	3,000
Bulk Density (kg/m ³)		645	600	570	580
Free Space (%)		77	78	79	80
Specific Surface Area m ² /m ³		260	210	140	105
Density (g/m ³)		2.3			
Water Absorption		<0.2 %			
Acid Resistance		>99.98 %			
Maximum Service Temperature		1320 °C			
Porosity (%)		<1			
Moh's Hardness		7-8			
Specific Heat Capacity (J/g·K)		840-900			
Softening Point		>1400 °C			
Thermal Expansion		4.7 x (10 ⁻⁶ / °C)			
Compressive strength (MPa)		390-420			