

Ceramic Super Saddle Ring

Product No.: KPK-CSS



Illustration 3: Ceramic Super Saddle Ring(KPK-CSS)

CHEMPACK Ceramic Super Intalox saddles are the most frequently used high-performance packing which exhibit advantages for most applications in comparison with other packing of different shapes. Ceramic super saddles' smooth surface imparts a high chemical resistance and provides them with a high level of stability. Due to their simple form, CHEMPACK Ceramic Super Intalox saddles can be produced at a relatively low cost.

Application:

Widely used in petrochemical, acid, natural gas, aqueous cleaning, fine chemical, environmental protection, pharmaceutical, fertilizer, and metallurgical plants where they are widely used in the towers of drying, filter, absorbing, cooling, washing, and recovering.

Chemical Composition:

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

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Physical properties:

Index	Value
Porosity(Vol%)	1
Specific heat(KJ/Kg)	840-900
Crush strength(N/mm ²)	390-420
Specific gravity(g/cm ³)	2.3-2.45
Acid resistance(%)	99.98
Firing temperature(°C)	1280 – 1320
Softening temperature(°C)	>1400
Density(Kg/m ³)	2300 – 2400
Water absorption(%)	<0.2
Thermal expansion(10-6mm/mm°C)	4.7
Moh's hardness(Scale)	7 – 8
Comprehensive strength(Newtons)	5600
Shock strength(Kgf.cm/cm ²)	1.0 – 1.5

Size & Specification:

Product Name	Size mm	Diameter* Height* Thickness mm	Surface Area m ² /m ³	Void Space %	Bulk Density kg/m ³	Number / m ³	Packing factor m ⁻¹
Super Intalox Ring	Φ25	25×19×3	160	78	530	52000	337
	Φ38	38×30×4	102	80	480	16000	199
	Φ50	50×40×5	88	81	450	7300	166
	Φ76	76×57×9	58	82	430	1600	105

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