

## Ceramic Intalox Saddle Ring

**Product No.:** KPK-CIS-A, KPK-CIS-B

Ceramic Saddles are divided into two different types of products according to their properties, KPK-CIS-A is often used in the field of Chemical and Petrochemical industries, and KPK-CIS-B is mainly used in environmental areas such as RTO(Regenerative Thermal Oxidizers) equipment. But both of them are the most frequently used high-performance packing and exhibit advantages for most applications in comparison with other shapes. Their smooth surface imparts a high chemical resistance and provides Ceramic Intalox saddle rings (Ceramic Saddles) with a high level of stability. Due to their simple form, ceramic saddles can be produced at a relatively low cost.



*Illustration 2: Ceramic intalox saddle ring(KPK-CIS)*

### Chemical composition:

SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	CaO	MgO	K <sub>2</sub> O+Na <sub>2</sub> O	Other
>73%	17-23%	<1.0%	<0.5%	<0.5%	2-4%	<0.1%

### Physical properties:

Index	Value
Specific gravity(g/cm <sup>3</sup> )	2.3
Water absorption(%)	<0.3
Acid resistance(%)	>99.6
Max operating temp.(°C)	1100
Porosity(%)	<1
Moh's hardness(scale)	>6.5
Thermal conductivity(w/m.k)	0.9-1.0
Specific heat(j/kg°C)	850-900

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Size &amp; Specification:

Product Name	Size mm	Diameter* Height* Thickness mm	Surface Area m <sup>2</sup> /m <sup>3</sup>	Void Space %	Bulk Density kg/m <sup>3</sup>	Number/ m <sup>3</sup>	Packing factor m <sup>-1</sup>
Ceramic Intalox Saddle Ring	Φ16	16×12×2	450	70	710	382000	1311
	Φ25	25×19×3	250	74	610	84000	617
	Φ38	38×30×4	164	75	590	25000	389
	Φ50	50×40×5	142	76	560	9300	323
	Φ76	76×57×9	92	78	520	1800	194

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