

Product: Ceramic Random Packing /Ceramic Intalox Saddle Ring

Specification

Normal Size		Diameter of Deck (mm)	Outside Diameter (mm)	Height(mm)	Wall thickness (mm)	Width (mm)
1/2"	12mm	12±1.0	20±1.4	10±1.0	2.0±0.45	10±2.0
5/8"	16mm	16±1.0	24±1.5	12±1.0	2.0±0.5	12±2.0
3/4"	19mm	19±1.5	28±2.0	14±1.0	2.5±0.5	14±2.0
1"	25mm	25±1.5	38±2.0	19±1.0	3.0±0.5	20±2.0
1.5"	38mm	38±2.0	60±3.0	30±1.5	4.0±1.0	30±2.5
2"	50mm	50±2.5	80±4.0	40±2.0	5.0±1.0	40±3.0
3"	76mm	76±4.0	114±4.0	57±3.0	9.0±1.0	57±4.0

Chemical Composition

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

Physical Property

Nominal size	1/2"	5/8"	3/4"	1"	1.5"	2"	3"
	12mm	16mm	19mm	25mm	38mm	50mm	76mm
Number per m ³	610,000	269,000	146,000	59,000	19,680	8,243	2,400
Package density (kg/m ³)	780	700	670	630	580	550	530
Free volume (%)	68	71	75	77	80	79	75
Surface area (m ² /m ³)	647	535	350	254	180	120	91
Specific gravity (g/cm ³)	2.3						
Water absorption (%)	<0.3						
Acid resistance (%)	>99.6						
Max operating temp.	1100°C						
Porosity (%)	<1						
Moh's hardness (scale)	>6.5						
Thermal conductivity (w/m.k)	0.9-1.0						
Specific heat(j/kg°C)	850-900						