

## Product: Ceramic Random Packing /Ceramic Super Saddle Ring

### Specification

Normal Size		Approx.Weight		Surface Area		Void Fraction(%)	Dry Packing factor (m <sup>-1</sup> )
		lb/ft <sup>3</sup>	Kg/m <sup>3</sup>	ft <sup>2</sup> /ft <sup>3</sup>	m <sup>2</sup> /m <sup>3</sup>		
1"	25mm	40	645	79.5	260	77	570
1.5"	38mm	37.5	600	64	210	78	430
2"	50mm	35.6	570	42.8	140	79	277

### 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 Property

Index	Unit	Value
Porosity	Vol %	1
Specific heat	KJ/Kg	840-900
Crush strength	N/mm <sup>2</sup>	390-420
Specific gravity	g/cm <sup>3</sup>	2.3-2.45
Acid Resistance	%	99.98
Firing temperature	°C	1280 to 1320
Softening point	°C	>1400
Density	Kg/m <sup>3</sup>	2300-2400
Water absorption	%	<0.2
Thermal Expansion	10-6mm/mm°C	4.7
Hardness	Mohr Scale	7-8
Comprehensive strength	Newtons	5600
Shock strength	Kgf.cm/cm <sup>2</sup>	1.0-1.5



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