

OLD SCHOOL SERIES

OS CERAMIC SADDLE

OLD
SCHOOL

M10's Old School Series tower packing line consists of products that have been used in industry for generations. Just as with our Xtreme Series packing we strive to have unsurpassed quality, service and engineering. Let one of M10's engineers support you in finding the best possible packing for your application. Old School Series packings are available in metal, plastic and ceramic.



PHYSICAL DATA

OS CERAMIC SADDLE · PHYSICAL DATA

PROPERTY	UNIT	1/2" 12 MM	3/4" 20 MM	1" 25 MM	1.5" 38 MM	2" 50 MM	3" 75 MM
Surface Area	ft ² /ft ³	165	103	76	50	43	28
Surface Area	m ² /m ³	540	338	250	164	142	92
Bulk Density	lb/ft ³	49	41	40	37	36	34
Bulk Density	kg/m ³	780	660	640	600	570	550
Void Fraction	%	76	77	81	82	83	84
Packing Factor	ft ⁻¹	201	146	91	52	40	22
Packing Factor	m ⁻¹	660	480	300	170	131	72

MATERIAL PROPERTIES

PHYSICAL PROPERTIES

INDEX	UNIT	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	%	99.80
Firing Temperature	°C	1280–1320
Softening Point	°C	>1400
Water Absorption	%	<0.5
Thermal Expansion	mm/mm°C	4.7 × 10 ⁻⁶
Hardness	Mohr Scale	44,020

CHEMICAL COMPOSITION

COMPONENT	CONTENT
SiO ₂	>69%
Al ₂ O ₃	17–23%
SiO ₂ + Al ₂ O ₃	>92%
Fe ₂ O ₃	<1.0%
CaO	<0.25%
MgO	<2.0%
K ₂ O + Na ₂ O	2–4%
Other	<1.0%

THE CHOICE IS YOURS

OLD
SCHOOL

or

X
TREME

We're happy to help you find the best packing and internals for your process.

M10 PROCESS EQUIPMENT

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REQUEST A QUOTE