

PRODUCT BULLETIN



CATALYST TRADING
C O M P A N Y

CTC 2000

Ceramic Support Media



CTC 2000 is a chemically inert spherical bed support universally accepted for a wide range of chemical and petrochemical applications. The long service life and optimum performance of CTC 2000 catalyst bed supports is setting new standards in the industry to combat splitting, cracking, and spalling causing untimely catalyst deactivation, and premature catalyst change-outs. CTC 2000 has been successfully used in over 100 applications throughout North America without incident and is offered by several major catalyst manufacturers.

Typical Chemical and Physical Properties:

Chemical Composition			Physical Properties	
Al ₂ O ₃	wt %	19.76	Average Water Absorption	< 1 - 3 % *
SiO ₂	wt %	75.00	Average Apparent Porosity	< 3 - 6 % **
TiO ₃	wt %	0.86	Average Density per ft ³	84-87 lbs / ft ³
CaO	wt %	0.20	Percent Free Space	40 %
MgO	wt %	0.48	Specific Heat @ 100 C	.25 cal / gm
K ₂ O	wt %	2.89	MOHs Hardness	7.0
Na ₂ O	wt %	0.80	Maximum Operating Temp.	1800 F (982.2 C)

Leachable Iron wt % < 0.1 Based on C6 Soxhlet Extraction Test Method

* Sizes: 1/8", 1/4" average <3%; Sizes: 3/8", 1/2", 3/4", 1", 1 1/2", 2" average is <1%.

** Sizes: 1/8", 1/4" average <6%; Sizes: 3/8", 1/2", 3/4", 1", 1 1/2", 2" average is <3%.

Specifications:

Nominal Size	1/8"	1/4"	3/8"	1/2"	3/4"	1"	2"
CTC 2000 Avg. Crush Strength	88 lbs	176 lbs	440 lbs	772 lbs	1,325 lbs	2,205 lbs	4,850 lbs

Additional Sizes Available Upon Request

Packaging Options:

25 ft³ Bulk Bags

7 ft³ Drums

1 ft³ Boxes

Custom Packaging Available Upon Request