4641 McRee Avenue | Saint Louis, MO 63110 USA | P 314.773.7500 | F 314.773.8371 | www.christycatalytics.com

Christy® Fill Honeycomb | Alumina Mullite

FEATURES

- High mechanical strength at high temperatures
- High available surface area
- Excellent thermal shock resistance

PHYSICAL PROPERTIES

Bulk Density, g/cm³	2.5 – 2.9
Average Linear Expansion, 10^{-6}/K	6.0 Max.
Specific Heat, J/kg-C	1100 – 1300
Maximum Application Temperature, C	1450
Thermal Conductivity, W/m-K	1.5 – 2.3
Softening Temperature, C	1450
Acid Resistance, %	99.0 Min.

CHEMICAL ANALYSIS (WT.%)

Al_2O_3	45.0 – 75.0
SiO_2	20.0 – 50.0
Fe_2O_3	1.0 Max.
MgO	0.2 Max.
TiO_2	2.5 Max.
$K_2O + Na_2O + CaO$	0.5 Max.

DIMENSIONS AND OTHER PHYSICAL PROPERTIES

Dimension (mm)	Number of Channels	Wall Thickness (mm)	Channel Width (mm)	Surface Area (m^2/m^3)	Free Space (%)	Packing Density (kg/m^3)
150x150x300	25x25	1.0	4.96	580	68	770
150x150x300	32x32	1.0	3.66	695	61	829
150x150x300	40x40	0.7	3.03	891	65	888
150x150x300	43x43	0.7	2.77	940	63	932
150x150x300	50x50	0.6	2.39	1090	63	977
150x150x300	60x60	0.5	1.99	1303	63	1006

Christy Catalytics, LLC offers a complete range of catalyst bed supports, tower packings and tower internals.

Revised: October 5, 2011