

Christy[®] Fill Honeycomb | Dense Cordierite

FEATURES

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



PHYSICAL PROPERTIES

Bulk Density, g/cm ³	2.2 – 2.5
Average Linear Expansion, 10 ⁻⁶ /K	< 3.5
Specific Heat, kJ/kg-C	800 – 1200
Maximum Application Temperature, C	1250
Thermal Conductivity, W/m-K	1.7 – 2.0
Softening Temperature, C	1250
Acid Resistance, %	> 95.0

CHEMICAL ANALYSIS (WT.%)

Al ₂ O ₃	28.0 – 34.0
SiO ₂	50.0 – 54.0
Fe ₂ O ₃	> 1.0
MgO	6.0 – 8.0
TiO ₂	< 1.0
K ₂ O + Na ₂ O + CaO	3.0 – 3.3

DIMENSIONS AND OTHER PHYSICAL PROPERTIES

Dimension (mm)	Quantity of Channels	Wall Thickness (mm)	Channel Width (mm)	Surface Area (m ² /m ³)	Free Space (%)	Packing Density (kg/m ³)	Weight Per Piece (kg)
150x150x300	25x25	1.0	4.96	580	68	710	4.80
150x150x300	32x32	1.0	3.66	695	61	755	5.10
150x150x300	40x40	0.7	3.03	891	65	814	5.50
150x150x300	43x43	0.7	2.77	940	63	821	5.55
150x150x300	50x50	0.6	2.39	1090	63	866	5.85
150x150x300	60x60	0.5	1.99	1303	63	888	6.00

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

THE ABOVE DATA ARE BASED ON CONTROLLED TESTING. INDIVIDUAL TEST RESULTS MAY VARY; THEREFORE THESE DATA MAY NOT BE USED FOR SPECIFICATION PURPOSES.

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