

CERAMIC HONEYCOMB MONOLITH

Heat Storage & Exchange,
Catalyst Carrier, Gaseous
Emissions Control, Chemical Packing

APPLICATION: RTO & RCO, Metal Casting,
Scrubber, Packing Tower

**We customize all products
and materials to individual
customer needs and
specifications.**

Physical Performance

Item	Material	Alumina	Mullite	Cordierite	Compound of Cordierite and Mullite	Corundum Mullite I	Corundum Mullite II	Chrome Corundum Mullite	Zirconia Corundum Mullite
Bulk Density (g/cm ³)		0.9-1.15	0.6-1.1	0.6-0.8	0.6-0.9	0.7-1.0	0.8-1.1	0.9-1.15	0.9-1.15
Thermal Expansion Coefficient (20-1000°C)(10 ⁻⁶ /K)		≤5	≤5.5	1.8-2.3	4-5	5-6	5-6.5	5-6.5	5-6
Specific Heat Capacity (J/g·K)		≥0.85	≥0.85	≥0.85	≥0.90	≥1.0	≥1.10	≥1.15	≥1.15
Thermal Conductivity (W/m·K)		≥0.8	≥0.8	≥1.0	≥1.10	≥1.20	≥1.20	≥1.30	≥1.30
Maximum Service Temperature (°C)		1400	1450	1250	1350	1450	1550	1550	1550
Compressive Strength Axis A/B (MPa)		≥3	≥4	≥3	≥3	≥4	≥4	≥4	≥4
Compressive Strength Axis C (MPa)		≥20	≥20	≥20	≥20	≥20	≥20	≥20	≥20