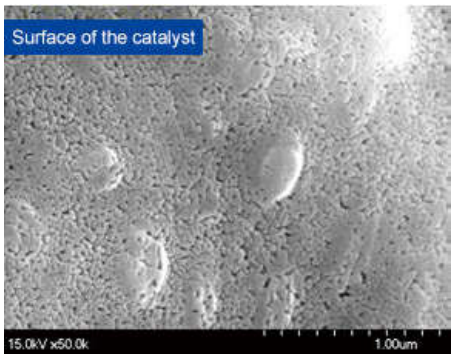
GTODC-LC Ozone Destruct Catalyst

PRODUCT DESCRIPTIONS

GTODC-LC catalyst uses honeycomb (foam) ceramic as the carrier and nano-composite metal oxide as the catalytically active component. The catalyst is mainly used for the purification of low and medium concentration ozone emissions. It can quickly catalyze and decompose ozone into non-toxic oxygen at room temperature. Its structure is honeycomb, with low gas resistance.

PRODUCT FEATURES

- ***High-strength Structure***
  Using cordierite (2MgO·2Al2O3·5SiO2) ceramics as the base material, the compressive strength is 280～500 MPa. The tensile strength is 25-40 MPa. The bending strength is 50～60 MPa. The impact strength is 1.8～2.2 cm·kg/cm2.
- ***Firm Surface Coating***
  The ceramic carrier surface of the ozone destruction catalyst adopts a new in-situ growth technology. A catalytically active metal oxide coating is grown on the smooth ceramic surface. The firmness of the coating is much higher.
- ***High Catalytic Activity***
  The catalyst adopts a composite multi-element catalyst system. After years of technical research and use verification, the catalyst has high catalytic activity and high stability.
- ***High Moisture Resistance***
  The coating of the ozone catalyst adopts rare earth composite oxide with high catalytic activity, which has a stable structure and can resist high humidity.



TECHNICAL SPECIFICATIONS

Catalyst Appearance	*Black honeycomb cube*
Product size	*100*100*50mm, or Customization*
Body Material	*Cordierite*
Coating Material	*Nano composite metal oxide*
Bulk Density	*600-800 kg/m3*
Specific Surface Area	*≥600 m2/g*
Suitable O3 Concentration	*≤10,000 ppm*
Applicable Humidity	*≤90%*
Applicable Airspeed	*10,000-80,000 h-1*
Working Temperature	*≥70 °F*
Purification efficiency	*95-99.9%*
Purification Depth	*0.1 ppm*
Service Life	*1-3 year*
Product Packaging	*Carton*

GOOTEK

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