

空気をきれいに！ 排ガス浄化用メタル担体

Metal Substrate for Catalytic Converter (NS Honeycomb™)

As the world's sole manufacturer of metal catalyst carriers on an integrated basis from the raw materials stage to the end product, NIPPON STEEL & SUMIKIN MATERIALS is in pursuit of higher function and higher durability

Metal Substrate for Catalytic Converter (NS Honeycomb™)

To meet demands for vehicles to be environment-friendly, NIPPON STEEL & SUMIKIN MATERIALS has developed metal substrates for catalytic converters with extra-thin stainless steel foil. These substrates have attracted wide attentions as compact components for exhaust aftertreatment systems, which bring out both high efficiency for exhaust emission conversion and high engine power of vehicles.

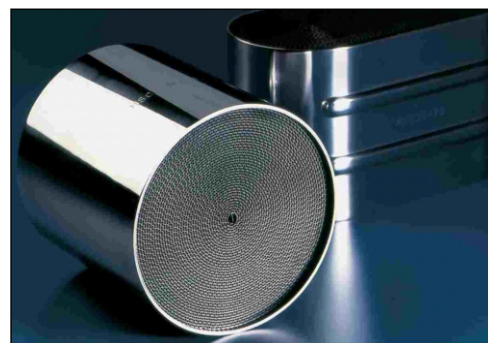
We have also developed new stainless steel foil that bears high temperature atmosphere more than 1000° C, which meets high demands for fuel consumption improvement. Together with the computer simulation technique such as computational fluid dynamics, we offer technical services that meet various advancing demands from automobile manufacturers.

Features

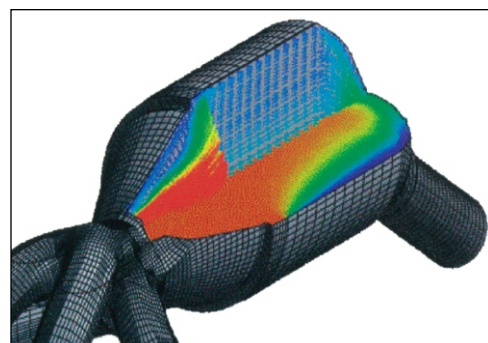
(1) NS Honeycomb™ can endure severe conditions at close-coupled position to engines where low pressure loss and high vibration resistance are required, and increase emission conversion rate to the maximum.

(2) Making use of the “advantages of metal substrates” such as durability for high temperature, low pressure loss and low heat capacity for quick light-off. NS Honeycomb™ are widely used for vehicles with gasoline engines with high power, those with diesel engines and motorcycles etc.

(3) NS Honeycomb™ can meet various demands of our customers because of its design flexibility for honeycomb sizes, stainless steel foil thicknesses and cell densities etc.



Metal Substrates



Example of Computational Fluid Dynamics



Dual Core Metal Substrate with Air Gap



Example of mounted on Motorbicycle



Example of mounted on Automobile



COMPANY OUTLINE

[NAME]

NIPPON STEEL & SUMIKIN MATERIALS INDIA PRIVATE LIMITED

[ADDRESS]

**Plot No. B-31 and B-31/1 , SIPCOT Industrial Park - Oragadam,
Mathur Village, Kanchipuram Dist Tamil Nadu - 602 105 (India)**

[FACTORY AREA] 7,000m2

[CAPITAL] USD 2 million

[STOCKHOLDER]

**NIPPON STEEL & SUMIKIN MATERIALS CO., LTD, JAPAN (99%)
PT. NIPPON STEEL & SUMIKIN MATERIALS, INDONESIA (1%)**

[OFFICER]

Managing Director - YOHICHI SAZAWA

[HISTORY]

**Jan.2013 Establishment
Aug.2013 Production line Installation
Oct.2013 Pilot Production Start
(Jan.2014 Mass Production Start)**

[CONTACT]

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