

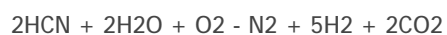
AD-946 Ammonia decomposition catalyst



Product Description

AD-946 Ammonia decomposition catalyst is made from sintered MGO carried with active component of Ni and other additives. It is provided with the properties of great catalytic activity, high mechanical strength, and excellent thermal and coking resistance. It is used in the ammonia decomposing furnace to decompose the NH_3 and HCN into N_2 , H_2 and CO_2 , and so as to effectively purify the coke-oven gas for the sake of environmental protection and prevent the equipment from corrosion.

The chemical reaction is as follows:



Normal Operating Conditions:

Temperature: 1100-1200C

Pressure: 0-1MPa

Space velocity: 1000-3000 h-1

NH_3 Decomposing rate: $\geq 94\%$

Item \ Type	AD-946	AD-946A	AD-946B
Color	Grey and Black		
Shape	Cylinder	Rasching Ring	Honeycomb
Size, mm	D18×20	D18×20×5	D18×20
Ni Content, %	≥ 6	≥ 6	≥ 6
Bulk density, g/ml	1.4-1.6	1.3-1.5	1.2-1.5
Surface area, m ² /g	1-3	2-4	2-5
Crushing strength, N	≥ 1000	≥ 1000	≥ 1100
Thermal resistance, C	≥ 1300	≥ 1350	≥ 1400