

[Liaoning Haitai Sci-Tech Development Co., Ltd.](#)

HTED Series Catalyst can be used in either Ethylbenzene dehydrogenation to make SM, or diethylbenzene dehydrogenation to making

**The HTED Series Catalyst** can be used in either Ethylbenzene dehydrogenation to make SM, or diethylbenzene dehydrogenation to making divinylbenzene.

**Chemical Composition:**

**The Composition of the Catalyst** according to our invention comprises: iron oxide, potassium oxide, calcium and magnesium, cerium oxide, other promoters and stabilizers, but no molybdenum and chromium oxide.

**Series HTED-04:**

**Physical Properties:**

Appearance:	yellowish-brown cylindrical granules.
Granule diameter:	3.0±0.2mm (average)
Granule height:	2~12mm
Bulk Density:	1.25±0.05Kg/Liter
Side Crush Strength:	14N/mm (min average)

**Catalyst Reaction Activity:**

Ethylbenzene conversion :	≥65.0%
Styrene selective:	≥96.0%
Styrene yield:	≥ 62.4%

**The HTED Series Catalyst Process Condition:**

Water ratio:	1.3-3.0
Space velocity:	0.4-1.2
Temperature :	550-650°C
Pressure:	negative pressure