

NOxCat™ ZNX 选择性催化还原催化剂

用于天然气涡轮机和固定式发动机

NOxCat™

NOx 还原催化剂

巴斯夫历时十年成功研发出ZNX催化剂。

ZNX催化剂基于巴斯夫在沸石催化剂方面的世界领先经验与专业知识，以沸石作为主要催化材料。

ZNX催化剂采用了复合蜂巢结构，利用高活性沸石催化涂层改善在陶瓷结构上的效果。ZNX催化剂不含重金属，便于用后处理。

建材

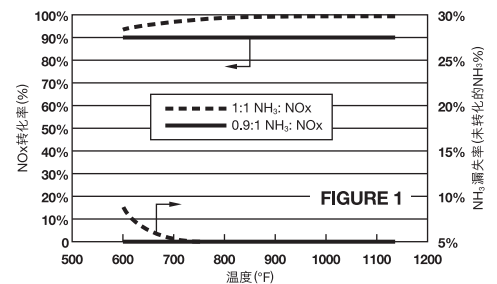
- 沸石催化剂材料
- 不含重金属

温度范围

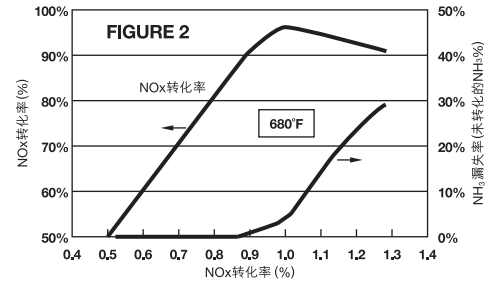
- 675-1075°F (357°C-579°C) 最佳
- 600-1125°F (316°C-607°C) 最高
- 低于600°F (316°C) 时，NH₃漏失率增加，NOx效率降低

性能

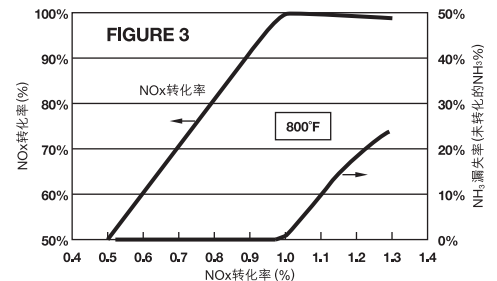
- NH₃与NOx反应生成氨气和水。随著NH₃的注入，NOx转化率提高。600-1125°F (316°C-607°C) 温度下，NH₃与NOx之比为0.9:1.0时，NOx转化率可达90%，NH₃漏失率较低 (图1)



- 680°F时，NOx转化率可接近90%，NH₃漏失率较低 (图2)



- 800°F时，NOx转化率接近100%，NH₃漏失率较低 (图3)



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关于我们

巴斯夫催化剂业务部是全球环境技术和工艺催化剂业务的领导者，为技术开发提供精湛的专业知识，以保护我们呼吸的空气，生产提供动力所需的燃料，并确保各种化学品、塑料和包括先进电池材料在内的其它产品的高效生产。凭籍我们业内领先的研发平台、对创新的激情、以及对各种贵金属和基本金属的深厚了解，巴斯夫催化剂业务部从事各种独特、专有催化剂和吸附剂解决方案的开发，帮助客户获得成功。

Visit www.catalysts.basf.com/patents for a list of our product patents.

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