

## A GAME CHANGER IN FIXED-BED APPLICATIONS

*At Evonik, we constantly seek to make a difference. Our innovative nickel foams, for example, are a game changer in fixed-bed applications:*

*They perform better, are more efficient and sustainable.*

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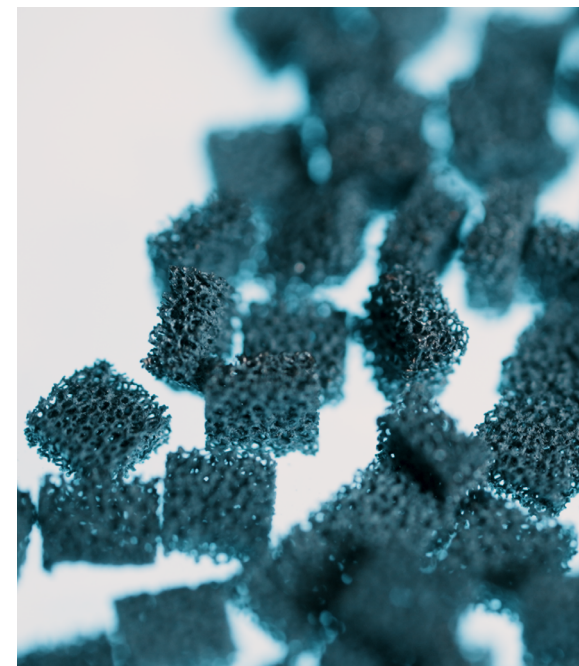
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## Evonik Catalysts NICKEL FOAM



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Our nickel foams are **lightweight** with a very large reactive surface – thus, **lower quantities** of catalyst are needed to maintain the **same product output**.  
**Or achieve a much higher throughput** with your established reactor at maintained catalyst bed volume.

Thanks to the large pores, liquids and gases flow right through the two-millimeter-thick nickel foam. The **catalyst bed hardly rises and falls**, resulting in **less abrasion, longer catalyst life, and reduced maintenance costs**.

While our standard 4 × 4-millimeter platelets are suitable for many applications, we can **tailor shapes and pore sizes** to your needs.

Our **pre-activated foam catalysts** are delivered in water-filled drums. You can **pour them directly from the drum** into your reactor without hazardous dust or elaborate protective measures.

This makes your catalyst exchange much **faster and safer**. What's more, the foam can be fully recovered and is thus **sustainable**.



**Discover  
our catalysts.  
Get in touch.**

LET'S  
MAKE A  
DIFFERENCE

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## WHAT'S IN IT FOR YOU?

- **Same product output with lower quantities of catalyst**
- **Extremely low pressure drop and less abrasion**
- **Longer catalyst life and reduced maintenance costs** in downstream equipment
- Pre-activated and **ready to use**
- **No hazardous dust** and no need for elaborate protective measures
- Fully recoverable and thus **sustainable**
- **Customizable** shapes and pore sizes