Ni 3300 E 1/16 3F RS
Nickel Fixed Bed Catalyst

2016 launched Ni 3300 E 1/16” 3F RS is our latest robust and tolerant hydrogenation fixed bed catalyst. It is following up on the 3288E and Ni 3298E recipes with a step change in nickel surface area: + 33%.

Suggested Applications

Ni 3300 E 1/16” 3F RS is our new nr1 nickel fixed bed catalyst for hydrogenations in demanding and versatile conditions. It is applicable in a wide range of aromatic and olefin polishing processes. First references have already been obtained. This product combines a very high activity and sulfur tolerance with excellent physical integrity. It can be used in liquid, vapor or trickle bed operations and tolerates significant levels of water. Substantial recovery from a water flooding adds further value to this product.

Shelf life

Unique to BASF nickel catalysts is the feature of CO₂-stabilization. This provides a multiple year shelf life enabling a reliable back-up charge strategy.

Packaging

Standard packing size is 125 kg (275 lbs) net in 210-liter steel drums with plastic liner shipped from De Meern, The Netherlands.

<table>
<thead>
<tr>
<th>Typical Properties</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Active Metal</td>
<td>Ni</td>
</tr>
<tr>
<td>Metal Content</td>
<td>60 %</td>
</tr>
<tr>
<td>Nickel surface area</td>
<td>48 m²/g</td>
</tr>
<tr>
<td>Reduced Value Ratio</td>
<td>0,6</td>
</tr>
<tr>
<td>Packed ABD</td>
<td>0,85 kg/dm³</td>
</tr>
<tr>
<td>Bulk Crush Str.</td>
<td>0,9 MPa</td>
</tr>
<tr>
<td>Surface Area</td>
<td>180 m²/g</td>
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<tr>
<td>Total Pore Volume</td>
<td>0,45 cm³/g</td>
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</tbody>
</table>

* These indications do not represent process capabilities nor specifications.
About Us

BASF’s Catalysts division is the world’s leading supplier of environmental and process catalysts. The group offers exceptional expertise in the development of technologies that protect the air we breathe, produce the fuels that power our world and ensure efficient production of a wide variety of chemicals, plastics and other products, including advanced battery materials. By leveraging our industry-leading R&D platforms, passion for innovation and deep knowledge of precious and base metals, BASF’s Catalysts division develops unique, proprietary solutions that drive customer success.

BASF - We create chemistry

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