Ni 5300 E 3/64” RS
Nickel Fixed Bed Catalyst

2018 launched Ni 5300 E 3/64” RS is BASF’s latest hydrogenation fixed bed catalyst having the highest nickel surface area in the market. It is following up on the Ni 5256E recipe with a step change in nickel surface area: +50%.

Suggested Applications

Ni 5300 E 3/64” RS is the nickel fixed bed catalyst that provides >60% more nickel surface area than the typical alternatives in the market. It is applied in a wide range of aromatic and olefin polishing processes; especially popular when a long lifecycle is required. The product is also applied in gas purification applications.

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>56 %</td>
</tr>
<tr>
<td>Nickel surface area</td>
<td>70 m²/g</td>
</tr>
<tr>
<td>Reduced Value Ratio</td>
<td>0,4</td>
</tr>
<tr>
<td>Packed ABD</td>
<td>0,80 kg/dm³</td>
</tr>
<tr>
<td>Bulk Crush Str.</td>
<td>0,9 MPa</td>
</tr>
<tr>
<td>Surface Area</td>
<td>266 m²/g</td>
</tr>
<tr>
<td>Total Pore Volume</td>
<td>0,53 cm³/g</td>
</tr>
</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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