Ni 3289 G RS
Nickel Fixed Bed Catalyst

BASF catalyst Ni 3298 G RS is a robust and tolerant hydrogenation fixed bed catalyst. It is a 60% nickel containing extrudate that is sold in reduced-CO$_2$-stabilized form.

Suggested Applications

Ni 3298 G RS is the best nickel fixed bed catalyst for hydrogenations in demanding and versatile conditions. It is applied in a wide range of aromatic and olefin polishing processes.

This product combines a 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 CO$_2$-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>Value</th>
</tr>
</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>35 m$^2$/g</td>
</tr>
<tr>
<td>Reduced Value Ratio</td>
<td>0,5</td>
</tr>
<tr>
<td>Packed ABD</td>
<td>0,86 kg/dm$^3$</td>
</tr>
<tr>
<td>Bulk Crush Str.</td>
<td>0,9 MPa</td>
</tr>
<tr>
<td>Surface Area</td>
<td>178 m$^2$/g</td>
</tr>
<tr>
<td>Total Pore Volume</td>
<td>0,43 cm$^3$/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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