Ni 5256 G RS

Nickel Fixed Bed Catalyst

Ni 5256 G RS is BASF’s hydrogenation fixed bed catalyst having the highest nickel surface area in the market. This conical extrudate contains 56% nickel and is supplied in reduced and CO₂-stabilized form. It is available in 3/64” and 1/8” size.

Suggested Applications

Ni 5256 G RS is the nickel fixed bed catalyst that provides about 30% 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.

Typical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</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>47 m²/g</td>
</tr>
<tr>
<td>Reduced Value Ratio</td>
<td>0.4</td>
</tr>
<tr>
<td>Packed ABD</td>
<td>0.8 kg/dm³</td>
</tr>
<tr>
<td>Bulk Crush Str.</td>
<td>0.8 MPa</td>
</tr>
<tr>
<td>Surface Area</td>
<td>267 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

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BASF - We create chemistry

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