BASF catalyst Ni 5124 P RS is a 63% nickel powder catalyst applied in the hydrogenation of nitrates and nitriles. The catalyst is sold in reduced-CO$_2$-stabilized form.

**Suggested Applications**

Ni 5124 P RS is used in the hydrogenation of nitrates and nitriles ranging from nitrobenzene to fatty nitriles. The relatively high density helps a rapid settling of the catalyst.

**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**

120kg (265 lbs) per 210l steel drum, packed in 8 plastic bags each containing 15 kg (33 lbs) shipped from De Meern, The Netherlands.

<table>
<thead>
<tr>
<th>Target Properties</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Active Metal</td>
<td>Ni</td>
</tr>
<tr>
<td>Metal Content</td>
<td>63 %</td>
</tr>
<tr>
<td>Nickel surface area</td>
<td>33 m$^2$/g</td>
</tr>
<tr>
<td>Reduced Value Ratio</td>
<td>0,5</td>
</tr>
<tr>
<td>Packed ABD</td>
<td>0,9 kg/dm$^3$</td>
</tr>
<tr>
<td>Average particle size</td>
<td>33 μm</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.

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