E 473 P RS
Nickel Powder Catalyst

BASF catalyst E 473 P RS is a water resistant 60% nickel powder catalyst on a proprietary support. The catalyst is sold in reduced-CO$_2$-stabilized form.

Suggested Applications

E 473 P RS is applied in the production of fatty amines from nitriles due to its water resistance and good filtration characteristics.

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 90.7kg (200 lbs) in 10 plastic bags each containing 9.1kg (20lbs) of product per 216l (55 gal) steel drum shipped from Erie, Pennsylvania, USA.

Target 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>60%</td>
</tr>
<tr>
<td>Reduced Value Ratio</td>
<td>0.7</td>
</tr>
<tr>
<td>Packed ABD</td>
<td>0.3 kg/dm$^3$</td>
</tr>
<tr>
<td>Average particle size</td>
<td>7 μm</td>
</tr>
<tr>
<td>Surface Area</td>
<td>195 m$^2$/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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