High Performance Styrene Catalysts

StyroStar® S6-05 S3-6

StyroStar® S6-05 S3-6 is suitable to be used in the bottom dead zones of the dehydrogenation reactors in the process where Ethylbenzene is dehydrogenated to Styrene.

StyroStar® S6-05 S3-6 is a fresh catalyst and has outstanding mechanical features. Also its activity is more than sufficient for the use in the bottom dead zones of the reactors.

Suggested Applications

StyroStar® S6-05 S3-6 is especially useful in the bottom dead zones of the dehydrogenation reactors.

Packaging

- 1,150 L super sack (IBC flexible) with liner

Weight

- 1,100 kg net

Shipping Point

- BASF SE Ludwigshafen, Germany
- BASF Corporation Elyria, USA
- BASF China Shanghai, China

The typical physical form is 3 mm extrudates that are red-brown in color. The chemical composition refers to the catalyst in its calcined state.

<table>
<thead>
<tr>
<th>Target Properties</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Bulk Density, kg/m³</td>
<td>1,100 – 1,500</td>
</tr>
<tr>
<td>Knife Edge Hardness, N</td>
<td>35 min</td>
</tr>
<tr>
<td>Loss of Attrition, wt %</td>
<td>2 max</td>
</tr>
<tr>
<td>K₂O, wt %</td>
<td>8.5 min</td>
</tr>
<tr>
<td>Promoters, wt %</td>
<td>10 min</td>
</tr>
<tr>
<td>Fe₂O₃</td>
<td>matrix</td>
</tr>
</tbody>
</table>

These indicative properties 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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