Nysofact® 120
Fats and oils hydrogenation catalyst

BASF Nysofact 120 is a highly effective catalyst for the hydrogenation of fatty acids to very low iodine values. Its high activity enables the processor to make the choices of either using less catalyst or reducing hydrogenation time. BASF Nysofact 120 is very poison resistant and has excellent filtration characteristics.

BASF’s fats and oils hydrogenation catalytic technologies are precipitated nickel catalysts on proprietary supports. They contain various levels of reduced nickel as the active metal and the catalyst powder is coated in fully hardened vegetable oil (droplet shape).

Applications of these technologies include the hydrogenation of edible and inedible oils, fatty acids, triglycerides, fatty amines and fatty acid monomer.

BASF Nysofact 120 is recommended for the complete hydrogenation of fatty acids of animal, marine or vegetable origin. It is a particularly robust catalyst that is specially suited for fatty acid hydrogenations carried out at conditions that cause deactivation through the formation of nickel soaps such as high temperature (>200°C), low pressure and poor agitation. BASF Nysofact 120 is also the catalyst of choice when processing less well refined fatty acid feedstocks.

Target Properties

<table>
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<th>Performance on a BASF relative scale (acceptable, good, superior)</th>
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<tr>
<td>Filtration</td>
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| Activity | Superior (fatty acids, T <200°C)  
Good (fatty acids, T >200°C) |
| Poison Resistance | Superior |
| Versatility | Acceptable |
| Active Metal | Nickel |
| Proprietary Support | Coated in fully hardened vegetable oil |

These indicative properties do not represent process capabilities nor specifications.

Packaging

- Standard packing size is 140 kg net in 210-liter steel drums

Other packing sizes may be available upon request.
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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