We create chemistry

Product Data Sheet

Pd 0152 S 1.6-2.3 mm R

Building on our core competencies in materials science and surface chemistry, BASF has developed Pd 0152 S, which offers superior hydrodearomatization performance and excellent resistance against sulfur inhibition.

Suggested Applications

BASF's bimetallic precious metal catalyst Pd 0152 S is especially designed to maximize saturation of aromatics in the presence of sulfur. The unique design of Pd 0152 S combines a BASF proprietary solid gel silica-alumina support with an ultra-high precious metal dispersion to insure maximal dearomatization activity, highest resistance against sulfur inhibition and superior mechanical stability. Additionally, the pore structure is optimized to give maximum activity per precious metal atom. Pd 0152 S 1.6-2.3 mm R requires in-situ activation under hydrogen atmosphere prior to use. An activation procedure can be provided on request.

Packaging and Storage

Pd 0152 S 1.6-2.3 mm R is delivered in steel drums, each drum containing 125 kg of catalyst.

This method of packing permits both safe overseas shipping and storage for years, provided the atmosphere is dry and free from corrosive contaminants. Preferably the drums are stored in a warehouse.

Shipping Point

– Ludwigshafen, Germany

Typical Properties	
Composition	0.36 wt.-% Pd 0.12 wt.-% Pt on modified SiO_2 carrier
Form	Spheres 1.6-2.3 mm diameter
Pore volume	0.35 cm^3/g
PABD	750 kg/m^3
Average Side Crush Strength	8 kg
Attrition	< 0.1 %
Average Pore Size	80 A
Operating Temperature	200-380°C (390-680°F)

* 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.

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