Adsorbents for Sustainable Pyoils

Technical information

Recycling of waste plastics is a major sustainability topic widely considered by industry to support circular economy goals. Among such recycling technologies, pyrolysis of plastics into oils to be used in production of monomers for fresh plastics is shown promising. Although composition of the Pyoil is highly variable, its contamination with low levels of -Cl, -S, -N, -O compounds and water is very common. BASF offers range of adsorbents to purify Pyoils from these impurities to upgrade such feeds for further processing.

Portfolio of adsorbents for Pyoil

- **Chlorides**: CL-750/760/850
- **Sulfur**: Proisorb N
- **Oxygenates**: Sellexsorb CD/CDL/CDX
- **Water**: Sorbead Air, F-200, 4A molecular sieve

3 reasons to buy our adsorbents

- The most comprehensive portfolio of Pyoil purification adsorbents on the market.
- Deep proven commercial expertise in adsorbents for hydrocarbon feeds polishing.
- Strong technical support of industry leading R&D and operational expertise.
About us

BASF’s Catalysts division is the world’s leading supplier of environmental and process catalysts. The division 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

Although all statements and information in this publication are believed to be accurate and reliable, they are presented gratis and for guidance only, and risks and liability for results obtained by use of the products or application of the suggestions described are assumed by the user. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH. Statements or suggestions concerning possible use of the products are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe any patent. The user should not assume that toxicity data and safety measures are indicated or that other measures may not be required. © 2021 BASF