

C-167

Ceramic Bed Support Spheres

BASF C-167 is a spherical ceramic bed support ideal for use in refining, petrochemical, and gas processing applications. The inert composition and uniform size and shape make the product ideal for fixed bed systems.

The manufacturing process for C-167 produces a highly spherical uniform and robust bed support media with high resistance to mechanical and thermal shock. Maximum operating temperature is demonstrated to be higher than 980°C. The low porosity and water absorption guarantee minimal interaction between the bed support and reactor feed streams.

The chemical inertness and physical integrity of the C-167 spheres ensure reliable bed support performance. Systems with C-167 operate without worry of dusting, breakage or cracking of the bed support media, providing more assurance of successful catalyst performance overall.

C-167 is available in a range of specific sphere sizes to meet the needs of a wide variety of bed support applications.

Product Benefits

- Uniform sphere size
- High crush strength
- Low abrasion
- Chemically inert

Available Sphere Sizes

- 1/8" (3.2 mm)
- 3/8" (9.5 mm)
- 1/4" (6.4 mm)
- 1/2" (13 mm)
- 3/4" (19 mm)
- 1" (25 mm)

Packaging

- 25 kg bags
- 1000 kg super sacks

Chemical Composition (wt %)

SiO₂ 64-76

Al₂O₃ 19-26

Physical Properties

Nominal Sphere Size	1/8" (3.2 mm)	3/8" (9.5 mm)	1/4" (6.4 mm)	1/2" (13 mm)	3/4" (19 mm)	1" (25 mm)
Bulk Density, lbs/ft ³ (kg/m ³)	81-100 (1300-1600)					
Minimum Crush Strength, lbs (kg)	50 (22.7)	200 (91)	120 (55)	370 (170)	950 (430)	1400 (635)

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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