

Catalytic Static Mixer

Pd - Palladium

DESCRIPTION

Palladium Catalytic Static Mixer 316L 6mm dia x 150mm is a general hydrogenation/dehydrogenation catalyst that exhibits very high activity with moderate to low selectivity. Can be used across a wide pH range.

DETAILS

Core: 3D printed 316L stainless steel

Catalyst: Pd

Mixer Shape: Cylindrical

Dimensions: 6mm diameter x 150mm length

Catalytic static mixers are a novel immobilized catalyst system, based on 3D printed mixer scaffolds containing a catalytic active layer. A variety of different active catalysts can be deposited on the metal mixer, allowing employment in many different classes of chemical reactions, such as hydrogenations, oxidations, C-C couplings and many more. Active Pd mass is >100mg/Mixer. Mixer volume 957mm³.



APPLICATIONS



ACTIVITY



SELECTIVITY



HYDROGENATIONS



NITRO REDUCTION



CARBONYL REDUCTION



ALKENE REDUCTION



ALKYNE REDUCTION



DEHYDROGENATIONS

PUBLICATIONS

Continuous flow hydrogenations using novel catalytic static mixers inside a tubular reactor

The art of manufacturing molecules

Use of catalytic static mixers for continuous flow gas-liquid and transfer hydrogenations in organic synthesis

Catalytic Static Mixers for the Continuous Flow Hydrogenation of a Key Intermediate of Linezolid

PRECISION
CATALYSTS



03 9792 9815

sales@precisioncatalysts.com

11 Advantage Drive, Dandenong South, Vic, 3175