Honeywell | UOP Catalysts

UOP PXP-500™ CATALYST

UOP's newest catalyst for selective toluene disproportionation

Description

PXP-500 catalyst is a robust and selective catalyst system, which uses a UOP proprietary zeolite catalyst material that is highly selective and active, with demonstrated high yields. PXP-500 catalyst does not contain any precious metals such as platinum or palladium. PXP-500 is shipped pre-selectivated to avoid difficult selectivation step.

Applications

PXP-500 catalyst is used for selective disproportionation of toluene into higher value *para*-xylene and benzene.

Experience

PXP-500 catalyst was commercialized in 2013 and is loaded into 3 units worldwide.

Typical physical properties (nominal)

Shape	Extrudate (Pellet)
Diameter, mm (inch)	1.80 (0.071)
ABD, kg/m^3 (lb/ft^3)	800.44 (49.97)

Packaging

- 55 U.S. gallon (210 liter) steel drums
- Net weight per drum of 105 kg



PXP-500 catalyst provides para-xylene enriched xylene stream and is provided in a pre-selective state.

FEATURES & BENEFITS

- Pre-selectivated
- Robust and selective catalyst
- Excellent catalyst stability
- Excellent high purity benzene quality
- Benzene and para-xylene product flexibility
- High *para*-xylene concentrations in the product
- Minimum byproduct formation
- Easy conversion from other fixed bed technologies
- Minimum equipment change
- Easy integration with other technologies in the Aromatic complex

For more information
www.uop.com

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