

Semi-regenerative Reforming Catalyst

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Semi-regenerative Reforming Catalyst (SRP-10, 20)

The SRR-10, SRR-20 platinum/rhenium based catalyst uses alumina as carrier in semi-regenerative reforming. The semi-regenerative reforming catalyst takes the form of an extrudate with diameter of 1.6mm.

Description

The new type semi-regenerative reforming catalyst makes use of platinum group element and is made by adding special promoter. In addition to high selectivity, our catalysts offer excellent stability and regenerability. The Chempack SRR series catalyst has countless applications to industrial devices.

Physical Properties

Item	Index	Item	Index
Chemical Composition	Pt-Re-Promoter- Al_2O_3	Crushing Strength (N/cm)	Min.100
Appearance	Extrudates	Surface Area (m^2/g)	Min.180
Particle Size (mm)	$\phi 1.4-1.6 \times 2-4$	Pore Volume (ml/g)	0.45-0.50
Bulk Density (kg/L)	0.75-0.82		

Operation Conditions

Process Conditions	Pressure (MPa)	Temperature ($^{\circ}\text{C}$)	Space Velocity (hr^{-1})	Hydrogen to Oil Ratio (V/V)
	1.2	480-520	2.0	1200
Raw Material	The straight-run naphtha distillate (aromatics potential content of 38%~43%)			
Generated Oil	The conversion rate of hydrocarbon can reach 115% (min).			

Packing: Shrink wrap the semi-regenerative reforming catalyst in 200L steel drums lined with plastic bags, with 3 or 4 drums per pallet.

Semi-regenerative Reforming Catalyst (SRP-80, 90)

The SRR-80, SRR90 semi-regenerative reforming catalyst, platinum or rhenium based, has alumina acting as carrier for the fixed bed semi-regeneration catalytic reforming. It takes the form of extrudates, with a diameter of 1.6mm.

Physical Properties

Chemical composition	Pt-Re- Al_2O_3			
Appearance	Pale-brown extrudates			
Particle Size (mm)	$\phi 1.4 \sim 1.8 \times 2-4$			
Bulk Density (kg/l)	0.75-0.82			
Crushing Strength (N/cm)	Min.100			
Surface Area (m^2/g)	Min.180			
Pore Volume (ml/g)	0.45~0.50			

Operation Conditions

Technical Parameters	Pressure (MPa)	Temperature ($^{\circ}\text{C}$)	Volume Space Velocity (h^{-1})	Hydrogen to Oil Volume Ratio
	1.2	480~520	2.0	1200
Feed Stock	Straight-run naphtha fraction, aromatics potential content 38~43 m%			
Product	Aromatics conversion rate, Min. 115%			

Packing: Shrink wrap the semi-regenerative reforming catalyst in 200L steel drums lined with plastic bags, with 3 or 4 drums per pallet.

Chempack is an ISO9001:2000 certified, leading semi-regenerative reforming catalyst manufacturer and supplier, located in China. We provide a vast array of oxygen removal, molecular sieve, alumina support ball, and other products, to accommodate any need worldwide customers may have. Thanks to reliable quality at reasonable prices, our chemical products are well received in many countries, such as Britain, Germany, Saudi Arabia, South Korea, New Zealand, Thailand, and Jordan, to name a few. Complete service is also available, in addition to superior products. Thus, you can feel secure in purchasing our products. If you have any inquiries about our chemical products, please see our product webpage for more details, or contact us directly for assistance. We at Chempack are sincerely looking forward to working with you.

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