



SMART CATALYST

Ethyl benzene dehydrogenation Catalyst

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Product Description:

These Grades of Styrene catalyst is for the production of styrene from ethyl-benzene dehydrogenation process in the steam to oil ratio 1.3 to 2.0.

Main Content:

Sample	Application	Fe ₂ O ₃ (wt%)	K ₂ O (wt%)	Promoter (wt%)	Attrition Loss (wt%)	L.O.I (wt%)
Smart EBD1	excellent balance of activity and selectivity	Matrix	10 min	10 min	2	3
Smart EBD2	high activity	Matrix	10 min	8 min	2	3
Smart EBD3	optimal balance of activity and selectivity	Matrix	10 min	8 min	1.5	4
Smart EBD4	very high activity	Matrix	10 min	10 min	1.5	3
Smart EBD5	high selectivity	Matrix	10 min	10 min	2	3



Specification:

Sample	Shape	Color	Diameter (mm)	Length (mm)	SSa(m2/gr)	Service cycle(Month)
Smart EBD1	Circular column-Diasy-Ripped	Chocolate Brown	3-(ID4,OD12)	5-8	2-3	24-36
Smart EBD2	Circular column-Diasy-Ripped	Chocolate Brown	3-(ID4,OD12)	5-8	2-3	24-36
Smart EBD3	Circular column-Diasy-Ripped	Chocolate Brown	3-(ID4,OD12)	5-8	2-3	24-36
Smart EBD4	Circular column-Diasy-Ripped	Chocolate Brown	3-(ID4,OD12)	5-8	2-3	24-36
Smart EBD5	Circular column-Diasy-Ripped	Chocolate Brown	3-(ID4,OD12)	5-8	2-3	24-36

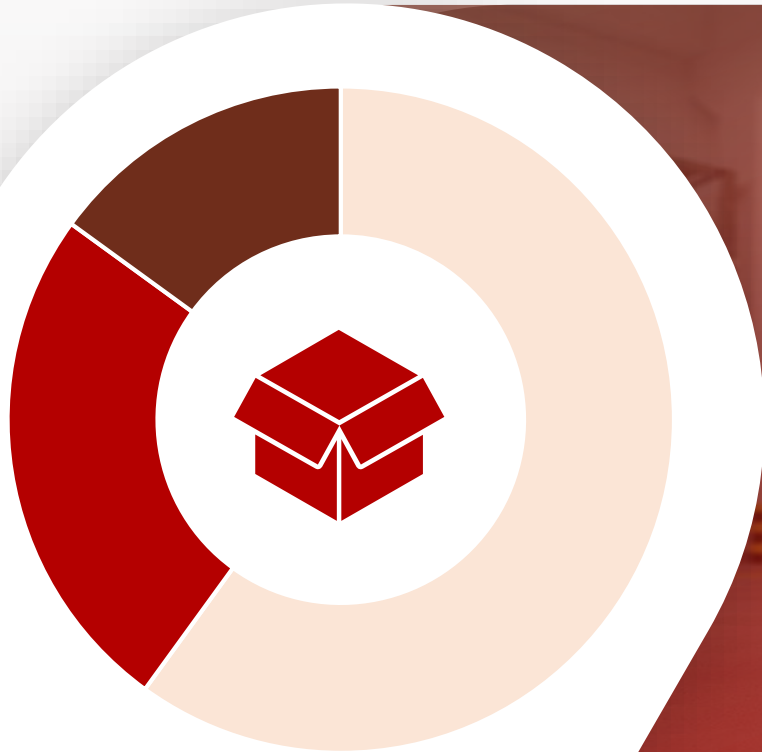


Technical Advantage

The EB conversion rate and styrene selectivity of Smart EBD styrene catalyst is higher than other product commercial available at lower reaction temperature. Due to the patented additives in the formulation to enhance the catalyst activity and structure (iron-Potassium), the high strength and minimum potassium loss to longest service life of the continuous operation.



Packaging And Transportation



Packed in Barrel or
jumbo bag with
polyethylene packing
inside.



Net weight in
200 – 1000 kg



Prevent it from
sunlight or rain



Keep away from any
pollution source or
packed in customize
conditions





SMART CATALYST

Standard service:

- ❖ Supply of ethyl benzene dehydrogenation catalyst; assistance for filling at production site and industry operation for the first time.
- ❖ Related industry analysis service
- ❖ Evaluation of catalyst performance and assessment in dehydrogenation activation
- ❖ Consultancy for related abnormal phenomena in production process.



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SMART CATALYST



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