HYD03C（M.S. for Ethanol Dehydration）

Description:

Molecular sieve HYD03C is a synthetic zeolite of A-type crystal structure in potassium-sodium form with a pore opening of 3 angstroms (0.3 nm).

Application:

Molecular sieve HYD03C for ethanol dehydration applied in PSA or VSA unit is used to remove H_2O in ethanol thermal. It has characteristics such as outstanding water adsorption kinetics, negligible ethanol co-adsorption, high mechanical strength and low attrition, and can minimize by-product formation, etc.

Anhydrous ethanol after dehydration can be applied in bio-fuels (direct blending and ETBE production), chemical, food and pharmaceutical industries.

Specification:

Properties		Beads	Pellets
Items	Unit	4×8 Mesh	1/8 Inch
Diameter	mm	2.5-5.0	3.0-3.3
Bulk Density	g/mL	0.70-0.76	0.67-0.73
Crush Strength	N	≥80	≥65
Static Water Adsorption	wt.%	≥21.0	≥20.5
Attrition	wt.%	≤0.1	≤0.4
Moisture Content	wt.%	≤1.0	≤1.0

Standard Packaging:

- Pellets: 30 Kg Iron Drum
- Beads: 30 Kg Iron Drum

Attention:

- The product as adsorbent cannot be exposed in the open air and should be stored in dry condition with air-proof package.

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