HYD10B

Description:

Molecular sieve HYD10B is a synthetic zeolite of X-type crystal structure in sodium form with a pore opening of 9 to 10 angstroms (~0.9 nm).

Application:

It's applied in dehydration of general industrial gases and purification of feed gas (removal water, carbon dioxide and traces of hydrocarbons in the meanwhile) in air separation units. It meets the special requirement of cryogenic air separation industry by strengthening the adsorption capacity of carbon dioxide and water in air pre-purification units in order to prevent freezing in the cryogenic distillation process.

Specification:

Properties		Beads		Pellets	
Items	Unit	8×12 Mesh	4×8 Mesh	1/16 Inch	1/8 Inch
Diameter	mm	1.68-2.36	2.36-4.76	1.5-1.8	3.0-3.3
Bulk Density	g/mL	0.65-0.71	0.64-0.70	0.60-0.66	0.59-0.65
Crush Strength	N	≥25	≥70	≥25	≥60
Static Water Adsorption	wt.%	≥26.5	≥26.5	≥26.5	≥26.5
Static CO_2 Adsorption	wt.%	≥18.0	≥18.0	≥18.0	≥18.0
Attrition	wt.%	≤0.1	≤0.1	≤0.4	≤0.4
Moisture Content	wt.%	≤1.5	≤1.5	≤1.5	≤1.5

Standard Packaging:

- Pellets: 25 Kg Iron Drum
- Beads: 25 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.
- The product should be regenerated after a certain period of adsorption. The appropriate regenerated temperature would be better below 350℃.

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