

HYD05C (M.S. 5A)

Description:

Molecular sieve HYD05C is a synthetic zeolite of A-type crystal structure in calcium-sodium form with a pore opening of 5 angstroms (0.5 nm).

Application:

- ✓ Removal of water, carbon dioxide, and hydrocarbons from feed gas in air pre-purification units;
- ✓ PSA separation for Iso/normal paraffin (n-C4~n-C6 mixtures);
- ✓ Purification of air, oxygen, nitrogen, hydrogen and synthesis gases from mixed gas streams;
- ✓ Dehydration and purification of LPG (Liquefied Petroleum Gas), ammonia cracked gas and other industrial gases or liquids;
- ✓ Dehydration and purification of inert gas.

Specification:

Properties		Beads		Pellets	
Items	Unit	8×12 Mesh	4×8 Mesh	1/16 Inch	1/8 Inch
Diameter	mm	1.6-2.5	3.0-5.0	1.5-1.8	2.8-3.2
Bulk Density	g/mL	≥0.68	≥0.66	≥0.64	≥0.62
Crush Strength	N	≥25	≥70	≥30	≥60
Static Water Adsorption	wt%	≥21.5	≥21.5	≥21.5	≥21.5
Static CO ₂ Adsorption	wt%	≥15.0	≥15.0	≥15.0	≥15.0
Attrition	wt%	≤0.1	≤0.1	≤0.4	≤0.4
Moisture Content	wt%	≤1.5	≤1.5	≤1.5	≤1.5

Standard Packaging:

- Pellets: 125 Kg/Iron Drum
- Beads: 30 kg/Iron Drum, 150 Kg/Iron Drum

Attention:

- The product as desiccant 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 °C.