

## HYZ05C (M.S. 5A-1)

### Description:

Molecular sieve HYZ05C is a synthetic zeolite of A-type crystal structure in calcium-sodium form with a pore opening of 5 angstroms (0.5 nm).

### Application:

Applied in removing hydrogen sulfide, low molecular weight mercaptan components from Natural Gas (NG) and Liquefied Petroleum Gas (LPG) and avoid COS forming.

### Specification:

Properties		Beads	Pellets
Items	Unit	8×12 Mesh	1/16 Inch
Diameter	mm	1.6-2.5	1.5-1.8
Bulk Density	g/mL	≥0.68	≥0.64
Crush Strength	N	≥25	≥30
Static Water Adsorption	wt%	≥21.0	≥21.0
Static CO <sub>2</sub> Adsorption	wt%	≥15.5	≥15.5
Attrition	wt%	≤0.1	≤0.4
Moisture Content	wt%	≤1.5	≤1.5

### Standard Packaging:

- Pellets: 125 Kg/Iron Drum
- Beads: 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.