

## HYD10A (M.S. 13X)

### Description:

Molecular sieve HYD10A is a synthetic zeolite of X-type crystal structure in sodium form with a pore opening of 9 angstroms (0.9 nm).

### Application:

- ✓ Applied in removing water, carbon dioxide and hydrocarbons from feed gas in air pre-purification units prior to the cryogenic air separation;
- ✓ Removal of water, hydrogen sulfide, mercaptan and high molecular weight sulfur compounds in NGL, LPG, and liquid hydrocarbons (e.g. propane, butane);
- ✓ Deep dehydration of compressed air, instrument air and inert gas;
- ✓ Dehydration and purification of ammonia synthesis gas;
- ✓ Removal of odorous sulfur compounds from aerosol propellants;
- ✓ Removal of carbon dioxide from cracked gas.

### Specification:

Properties		Beads		
Items	Unit	8×12 Mesh	6×8 Mesh	4×8 Mesh
Diameter	mm	1.6-2.5	2.5-3.5	3.0-5.0
Bulk Density	g/mL	≥0.64	≥0.60	≥0.62
Crush Strength	N	≥30	≥35	≥80
Static Water Adsorption	wt%	≥26.0	≥26.0	≥26.0
Static CO <sub>2</sub> Adsorption	wt%	≥17.5	≥17.5	≥17.5
Attrition	wt%	≤0.1	≤0.1	≤0.1
Moisture Content	wt%	≤1.5	≤1.5	≤1.5

### Standard Packaging:

- 25 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.