

## CARMOS®, Carbon Molecular Sieves

Carbon Molecular Sieve is a carbon enriched Molecular Zeolite

CMS is a 4 angstrom fine pore adsorbent.

It can be used to separate air into nitrogen and oxygen.

In industry, CMS can concentrate nitrogen from air with PSA systems.

It can meet the requirement of all types of PSA nitrogen systems.

The carbon molecular sieve is widely applied in petro-chem industry,

heat treatment of metal, electronic manufacturing and

food preservation industries.



### PHYSICAL PROPERTIES

Cylindrical Diameter: 1.5mm

Bulk Density: 640-660g/l

Crushing Strength: 100N/p Min

Dust level: 100PPM Max

### ADSORPTION CHARECTERISTICS

Type	Adsorbent pressure (MPa)	Nitrogen concentration (N2%)	Nitrogen quantity (NM3/h.t)	N2/Air (%)
CMS-240	0.8	99.99	100	25
		99.9	175	34
		99.5	240	43
		99.0	300	48
		98.0	370	54