

# DATA SHEET CMS 330

## Carbon Molecular Sieves for gas separation/ Nitrogen Extraction

### Diameter 1.0 mm

#### Resource base:

- high microporous carbon

#### Particular qualities:

- very high separation rates and reliability
- low dust, homogeneous in grain size

#### Application:

- extraction of nitrogen from the air
- depletion of carbon dioxide from methane
- production of ethylene from mixed gases
- for high productivity PSA

#### Standard packaging:

- 137 kg, net weight plastic drum
- 20 kg, net weight plastic drum

specifications	Unit	DESCRIPTION
Shape		Zylindrisch / cylindrical
Color		Schwarz / Black
Particle size	mm	1,0 ±0,2
Loss on drying	wt.-%	1.0 max.
Bulk Density	g/ml	0.64 - 0.66
Hardness	wt.-%	98.0 min

### PSA performance 99.5% Nitrogen 20°C, 0,8 mpa

Cycle time/sec*	sec	40
Recovery, Nitrogen/Air*	%	49
Productivity, /Nitrogen*	Nm3/hr.ton	330

\* Testing Method - internal method of production

The typical product properties are based on average values from current production.

The specification data represent our standard product specifications.

### Temperature vs Air/Nitrogen

