

## SPECIFICATION

Product:	<b>Carbon Molecular Sieves – CMS 260 1.0</b>
CAS-No.:	7440-44-0
EINECS/EG-No.:	931-328-0
HS-No.:	38021000
REACH No.:	01-2119488894-16-0080
Chemical Formula:	C

### ***Diameter 1.0 mm***

#### **Resource base:**

- high microporous carbon

#### **Particular qualities:**

- very high separation rates
- high 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

PARAMETER	VALUE
Shape	Cylindrical
Color	Black
Particle Size [mm]	1±0,2
Loss on Drying [wt%]	max. 1,0
Hardness [wt%]	min. 98
Bulk Density, dry basis [g/ml]	0,64-0,66

### **PSA Performance 99,5% Nitrogen 20C°, 0,8 mpa**

Cycle time/sec [s]	58
Recovery, Nitrogen/ Air [%]	44
Productivity, Nitrogen [L/kg.h]	260

These details are based on our present knowledge. They do not absolve the processor from responsibility for suitability and quality testing due to the wide variety of potential external influences that may be exerted during the application and processing of this product. Binding / legal warranties concerning the properties for specific applications / purposes cannot be inferred from these details. The specifications can be altered partially, or in total in newer versions.

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