

# CMS CT-350 Carbon Molecular Sieves

Technical Data Sheet

## Product Description

“CMS CT-350” is pelletized form molecular sieving carbon. It is made through the integrated process under the conditions strictly controlled with advanced technologies of OGC.

## Specific features

- Uniform pore diameter on the surface of “CMS” particle provides selective adsorption in the gas mixtures.
- Highly purified gas can be produced through PSA/VPSA facilities using “CMS”

## Applications

Product	Raw Gasses
*Nitrogen	Air
*Methane	Methane / Carbon dioxide
*Ethylene	Ethylene mixture gasses
*Other applications are under development	

TYPICAL PROPERTIES		
Appearance	Cylindrical	
Color	Black	
Particle diameter	1.8±0.2	mm
Loss on drying*	1.0 max.	wt%
Filling bulk density*	0.680 – 0.730	g/mL
Particle size* (2.800 – 1.180 mm) (7 – 14 mesh)	99.0 min.	wt%
Hardness*	98.0 min.	wt%
PSA performance of 99% Nitrogen at 30°C, 0.69MPa		
Cycle time **	60	sec
Recovery, Nitrogen/Air **	37.0 min.	%
Productivity, Nitrogen **	190.0 min.	Nm <sup>3</sup> /hr.ton

*These indicative properties do not represent process capabilities nor specifications.*

- \* Testing method      JIS K 1474-2007  
 \*\* Testing method      OGC internal method

SHIPPING INFORMATION	
Packaging	137 kg/ plastic drum

## Handling Precaution

Activated carbon (especially when wet) significantly lowers oxygen levels by removing oxygen from air, which causes a severe hazard to workers inside activated carbon vessels and enclosed or confined spaces. Before entering such areas, work procedures for low oxygen levels should be taken to ensure ample oxygen availability according to all local, state, and federal regulation