

Technical Data Sheet

Carbon Molecular Sieve

Specific Features	Applications	
Applicable for high productivity PSA	Product Gas	Raw Gases
Applicable for high purity PSA	Nitrogen	Air
Highly uniform pore diameter	Methane	Methane/Carbon Dioxide
High Crush strength and Hardness	Ethylene	Ethylene mixture gases
	Other applications are under development	

Standard Specifications (As packaged)		
ITEM	U.M	DESCRIPTION
Shape		Cylindrical
Color		Black
Particle diameter	MM	1,2±0,2
ITEM	U.M	SPECIFICATIONS
Loss on drying*	(wt%)	1.0 max.
Filling Bulk Density*	(g/ml)	0.64-0.68
Particle size* (1,0- 2,8 mm)(7-16mesh)	(wt%)	99.0 min
Hardness*	(wt%)	98.0 min
PSA performance 99.5% Nitrogen 20°C, 0,8 mpa		
Cycle time/sec*	Sec	58
Recovery, Nitrogen/Air*	%	44
Productivity, /Nitrogen*	L/kg.h	260
*Internal testing method		
Package		
	20 kg. net weight pe drum 137 kg. net weight pe drum	
Handling Precautions		
CMS (especially when wet) significantly lower oxygen levels by removing oxygen from air, which cause a severe hazard to workers inside CMS vessels and enclosed or confined spaces. Before entering such areas, work procedure for low oxygen levels should be taken to ensure ample oxygen availability according to all local, state and federal regulations.		

If you require any further information, please contact your Edmac salesperson or sales.edmac@edmac.eu .