



Technical Data Sheet

ACS Material Molecular Sieve Carbon Dioxide Adsorbents

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1. Preparation Method

Hydrothermal Method

2. Characterizations

Appearance:	Column (pelletized)
Crushing Strength (N):	≥ 50
Particle Size:	Length: < 2 cm Diameter: 3 mm
Bulk Density (g/mL):	0.7
BET Surface Area (m²/g):	≥ 350
Pore Volume (cm³/g)	≥ 0.2
Na (wt. %):	≤ 0.1
Fe (wt. %):	≤ 0.01
H₂O (wt. %):	≤ 1.5
Binder (silica) Content (wt. %):	≤ 30
Water Absorption (wt. %):	≥ 20



Typical Photos of ACS Material Molecular Sieve Carbon Dioxide Adsorbents

3. Application Fields

- 1) Liquid-gas separation
- 2) Adsorbents

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