

Product Data Sheet

ADC Blowing Agent (Azodicarbonamide) - Standard Grade

Description

Description	ADC Blowing Agent (Azodicarbonamide) is a chemical foaming agent that decomposes on heating to release nitrogen, carbon monoxide and carbon dioxide gas, creating a uniform cellular structure in polymer foams. This standard (unactivated) grade decomposes at 195–215°C, suited to PE, EVA and rubber foam processing; PVC foam applications typically require an activated grade with a lower decomposition temperature.
Applications	Polyethylene (PE) and EVA foam production Rubber foam manufacturing Cross-linked and non-cross-linked foam sheet production General polymer foaming applications requiring 195–215°C decomposition
Grade	Standard (Unactivated) Grade, Min. 99.0% Assay
CAS No.	123-77-3

Key Benefits

1. Consistent, high gas yield supporting uniform foam cell structure
2. Reliable decomposition temperature range suited to PE/EVA/rubber processing
3. Available in controlled particle size grades for fine or coarse cell-structure requirements
4. Widely accepted standard grade across the polymer foam industry

Chemical Analysis & Physical Data

Typical Specification

Parameter	Test Method	Unit	Specification
Assay (Azodicarbonamide)	Titration Method	wt%	Min. 99.0
Gas Yield	Standard Gas Yield Method	mL/g	Min. 220
Decomposition Temperature	DSC Method	°C	195 – 215
Moisture	Karl Fischer Method	wt%	Max. 0.5
Particle Size	Sieve / Laser Diffraction Method	microns	Fine and coarse grades available
Appearance	Visual	–	Yellow to light yellow powder

Packaging

Packaging 25 kg Kraft Paper Bags (PE-lined)
500 kg / 1,000 kg Jumbo Bags (FIBC)
Custom packaging available on request.

Storage & Handling

1. Store in a cool, dry, well-ventilated area away from heat and ignition sources – product decomposes exothermically on heating
2. Keep containers tightly sealed to prevent moisture pickup
3. Keep away from strong oxidising agents and acids
4. Avoid prolonged storage at elevated ambient temperatures

Quality Assurance

1. Every batch is tested against the specification above before dispatch

2. A batch-specific Certificate of Analysis (COA) accompanies each shipment, reporting assay, gas yield and decomposition temperature against this TDS
3. COA available on request prior to shipment for buyer pre-approval
4. Third-party inspection (SGS/Intertek) can be arranged on request for regulated-market shipments

Disclaimer: The information provided in this document is based on our current knowledge and is intended as a general guide. Ochnology Solution Pvt. Ltd. reserves the right to modify specifications without prior notice. Buyers are advised to conduct their own testing for specific applications. A batch-specific Certificate of Analysis (COA) is available on request for each shipment.