



## Product Data Sheet

# Celogen<sup>®</sup> AZRV

### Modified Azodicarbonamide for Rigid PVC Foam

#### Features

- *Allows the production of foam using slightly modified rigid PVC formulations containing calcium stearate*
- *Allows the use of non-activating tin stabilizers if calcium stearate is included in the formulation*
- *Reformulation of the lubrication package to increase foaming agent activation is not needed*
- *Celogen AZRV (with calcium stearate) allows the use of processing temperatures of 182 °C (360 °F) or higher; optimum process temperature is 193 °C (380 °F) and higher*
- *Celogen AZRV does not generate any foaming agent related plateout which might cause die blockage or screw build-up*

#### Product Description

Chemical Composition:	Modified Azodicarbonamide
Physical Appearance:	<i>Fine, yellow powder</i>
Decomposition Range:	<i>200 - 210 °C (392 - 410 °F)</i>
With calcium stearate:	<i>182 - 193 °C (360 - 380 °F)</i>
Optimum melt temperature range:	<i>193 °C (380 °F) and higher</i>
Gas Evolution:	<i>190 - 220 ml/g</i>
Gas Composition:	<i>N<sub>2</sub>, CO, CO<sub>2</sub>, NH<sub>3</sub></i>

#### Solubility

Azodicarbonamide is somewhat soluble in DMSO, DMF; insoluble in benzene, acetone, ethylene dichloride; slightly soluble in water; soluble with decomposition in alkaline solutions. *Please refer to the Celogen AZRV Material Safety Data Sheet for additional information on properties, handling, and storage.*

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