

Product Data Sheet

CELOGEN® AZ Chemical Foaming Agent

Azodicarbonamide

Available in various particle size grades: 120*, 130*, 150, 9370, 1901 and 2500

FORM: Yellow-orange powder. SPECIFIC GRAVITY: 1.66 at 25 °C (77 °F)

DECOMPOSITION POINT: about 190-220 °C (374-428 °F)

GAS YIELD: 220 cc / gram

DECOMPOSITION GASES: N_2 , CO_2 , CO and NH_3

ACTIVATED BY: Strong activators include zinc oxide, zinc stearate and treated

urea (BIK® OT). Moderate activators include barium stearate, calcium stearate, citric acid and triethanolamine. Weak activators include adipic acid, benzoic acid, salicylic acid and calcium oxide.

DISCOLORATION: Nondiscoloring; decomposition residue is white.

RECOMMENDED USES: General purpose chemical foaming agents for sponge rubber and

expanded plastics applications which require fine, uniform, closed

cell structures.

SOLUBILITY: Relatively insoluble in organic solvents and water. Decomposes

in alkaline solutions.

STORAGE STABILITY: Store in a cool, dry place in closed containers. Keep away from

heat, sparks, open flames and combustibles.

HANDLING PRECAUTIONS: Contact with eyes may cause irritation. Repeated minimal

inhalation exposure can cause respiratory sensitization and asthma. Exposure to decomposition gases can cause irritation to eyes, lungs and mucous membranes. Avoid breathing dust and

fumes from hot processing. Avoid all personal contact.

FDA STATUS: 175.300 – Resinous and Polymeric Coatings – *Limited to can end*

cement

177.1210 - Closures with Sealing Gaskets for Food Containers -

Limitation – 2% Max.

177.2600 - Rubber Articles Intended for Repeated Use -

Limitation – 5% Max.

^{*}Contains small quantity of an inert partitioning agent.