DISTRIBUTED BY
R.E. CARROLL INC.
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PRODUCT SPECIFICATION

CELOGEN® AZ-130

Azodicarbonamide

TEST	MINIMUM	MAXIMUM	TEST METHOD
Decomposition Point, °C	201	209	CC 105
Ash, %	---	1.0	CC 66
Heat Loss, %	---	0.3	CC 59
Alkali Insolubles, %	---	0.3	CC 104
Average Particle Diameter, (microns)	5.1	6.0	Laser diffraction
Retained on 325 Mesh Screen, %	---	0.1	CC 72
Color	Yellow - orange powder		
Appearance	Characteristic		

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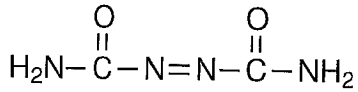
Product Data Sheet

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.