

MIKROFINE[®] ADC-130 / RT115

MIKROFINE[®] ADC-130/RT115 is a low temperature chemical blowing agent for vinyl foams.

1 PRODUCT INFORMATION

Main constituent	:	Azodicarbonamide CAS Number [123-77-3] Mol. Formula C ₂ H ₄ N ₄ O ₂ Mol. wt. 116
Physical form	:	Light yellow free flowing powder
Odour	:	Odourless
Health, safety & handling information	:	Relevant information can be found in sheet No. HPLA/MSDS/M/CBA/19

2 SPECIFIED PROPERTIES

Decomposition temperature (°C) (open capillary tube method)	:	
ADC-130	:	130 ± 2
ADC-RT115	:	114 ± 2
Volatility (%w/w)	:	0.5 max.
pH (5% aqueous suspension at 25°C)	:	8.0 ± 0.5
Average particle diameter (micron)	:	4.5 - 5.5

3 SPECIAL FEATURES

MIKROFINE[®] ADC-130/RT 115 is a highly activated chemical blowing agent formulation specially designed to produce vinyl foams substantially whiter than foams obtained from conventional Azodicarbonamide - Kicker formulations.

MIKROFINE[®] ADC-130/RT 115 is an integrated blowing agent-activator system wherein activators are intimately blended with the blowing components. This "one pack" formulation does not require any additional kicker. With this product consistent plastisol expansions are achieved and potential error points of numerous weighing, and segregated multi component storage problems are eliminated.

MIKROFINE[®] ADC-130/RT 115 can be used to increase line speeds at standard oven temperatures or energy can be saved while employing it by lowering oven temperatures while maintaining same line speeds.

4 APPLICATIONS

MIKROFINE[®] ADC-130/RT 115 has been specially designed for PVC plastisol applications in floor coverings where it can create backing foam at low temperatures without disrupting the surface finishes. Another interesting application is wall coverings with textured surface finish. MIKROFINE[®] ADC-130/RT 115 in conjunction with either MIKROFINE[®] ADC F-2 or MIKROFINE[®] OBSH imparts textured finish to the surface of wall coverings by decomposing at the solvation stage of vinyl polymer causing cracks or fissures, which make sites for large cells produced by MIKROFINE[®] ADC F-2 or MIKROFINE[®] OBSH.

5 DOSAGE

1.0 - 4.0 PHR depending on the process and the extent of the expansion required.

6 PACKING

MIKROFINE[®] ADC-130/RT115 is packed in 25 Kg HDPE bags /UN approved corrugated cartons with a polythene liner inside or as per customer's requirement.

The information given in this document is only a recommendation, believed to be reliable and is given in good faith but without warranty. Our advice does not release users from the obligation of checking its validity. The user should test the product to ascertain the suitability for the intended use. Specified properties mentioned in this document are based on our historical production performance and these properties or the whole document is subject to change without any prior notice, at our sole discretion. We are under no obligation to recall earlier issued documents.

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