



## HPL Additives Limited

803, Vishal Bhawan, 95 Nehru Place  
New Delhi - 110 019, India.  
Tel : +91 - 011 - 2642 1570/71  
Fax : +91 - 011 - 2647 4350  
Email : hpl@hpl-group.com

### MIKROFINE<sup>®</sup> 5A06/2A03/6A07

MIKROFINE<sup>®</sup> 5A06/2A03/6A07 is a chemical blowing agent in powder form specially designed for the production of EVA compounds meant for injection moulding

#### 1 PRODUCT INFORMATION

<b>Main constituent</b>	:	Azodicarbonamide CAS Number [123-77-3] Mol. Formula C <sub>2</sub> H <sub>4</sub> N <sub>4</sub> O <sub>2</sub> Mol.wt. 116
<b>Physical form</b>	:	Pale yellow free flowing powder
<b>Odour</b>	:	Odourless
<b>Solubility</b>	:	Insoluble in water and benzene. Soluble in dimethylformamide.
<b>Health, safety &amp; handling information</b>	:	Relevant information can be found in sheet No. HPLA/MSDS/M/CBA/01

#### 2 SPECIFIED PROPERTIES

<b>Decomposition temperature (°C)</b> (Open capillary tube method)	:	200 ± 3
<b>Gas content</b> (ml/gm at STP)	:	235 ± 5
<b>Volatility (% w/w)</b>	:	0.5 max.
<b>pH</b> (5% aqueous suspension at 25°C)	:	7.3 ± 0.5
<b>Average particle diameter (micron)</b>	:	
5A06	:	10.0 ± 0.5
2A03	:	5.0 ± 0.5
6A07	:	6.0 ± 0.5

### 3 SPECIAL FEATURES

MIKROFINE<sup>®</sup> 5A06/2A03/6A07 are completely dispersible. The products have a narrow particle size distribution for reliable performance.

MIKROFINE<sup>®</sup> 5A06/2A03/6A07 are free flowing, which do not agglomerate. It makes these products ideal for metering in hopper blender units on extruders and injection moulding machines.

### 4 APPLICATIONS

MIKROFINE<sup>®</sup> 5A06/2A03/6A07 are specially designed for cross linked injection moulded EVA slipper and sandals where in it is can be incorporated along with another blowing agent A14D in a pre-defined ratio

### 5 DOSAGE

Normally 3 PHR of the product combination where in 70 parts of 5A06/2A03/6A07 and 30 parts of A14D are invariably used.

### 6 PACKING

MIKROFINE<sup>®</sup> 5A06/2A03/6A07 are packed in 25kg HDPE bags/20 kg or 25 kg UN approved corrugated cartons with a polythene liner inside or as 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.

#### **HPL ADDITIVES LTD.**

803, Vishal Bhawan, 95 Nehru Place  
New Delhi - 110 019, INDIA.

Tel. : +91-11-2643 1522, 2642 1570

Fax : +91-11-2647 4350, 2646 0981

e-mail : hpll@hpl-group.com