



"Speed, Quality, Economy..."

## Product Data Sheet

### High-Temperature Blowing Agents

**PRODUCTS:** **AccelMax™** BA-HX20    **AccelMax™** BA-HX40    **AccelMax™** BA-HX60

**DESCRIPTION:** High-temperature, exothermic blowing agents based in a universal carrier.

**USAGE:** Dependent on application. Suggested starting levels are:

<b>AccelMax</b> BA-HX20	1.0% - 5.0%
<b>AccelMax</b> BA-HX40	0.5% - 3.0%
<b>AccelMax</b> BA-HX60	0.5% - 3.0%

**APPEARANCE:** Orange-yellow pellet.

**ODOR:** Faint odor.

**HMIS RATING:** 1-1-0

**SPECIFIC GRAVITY:**

<b>AccelMax</b> BA-HX20	1.92
<b>AccelMax</b> BA-HX40	1.71
<b>AccelMax</b> BA-HX60	1.55

**GAS VOLUME:**

<b>AccelMax</b> BA-HX20	43.0 - 49.0 ml/g
<b>AccelMax</b> BA-HX40	70.0 - 80.0 ml/g
<b>AccelMax</b> BA-HX60	140.0 - 157.0 ml/g

**PROCESS**

**TEMPERATURES:** 350 - 500 F (180 - 260 C)

**DECOMPOSITION:** Thermal decomposition of azo is complex and depends upon the heating range and the environment in which decomposition occurs. The composition of the gaseous products will vary accordingly, but generally as follows: Nitrogen - 65%, Carbon Monoxide - 25%, Carbon Dioxide - 5%, and others - 5%.

**COMMENTS:**

- ▶ Should not be used with beryllium/copper tooling due to the small percentage of ammonia gas liberated during processing which could cause corrosion.
- ▶ For use in a variety of injection molding and extrusion applications.
- ▶ All of the ingredients in this product are considered non-toxic and non-migratory and are considered GRAS (generally recognized as safe) for use in food contact polymers under the regulations of the FDA. However, please be aware that it is the responsibility of the part manufacturer to obtain any specific FDA approval of their product.
- ▶ Decomposition residues are non-toxic, non-staining, and odorless.