

# MJL Industrial, Inc.

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## AC - 2

AC-2 is a unique amino phosphate that can be used to suppress smoke and prevent burning in polyolefin such as polypropylene and polyethylene. It is very effective in thermoset coating and foams, potting compounds, fiberglass reinforced structures, as well as electronic laminates and many other applications. AC-2 has been proven successful in epoxy, phenolic, acrylic, vinyl acetate, urethane and PVC resin systems.

AC-2 WM is thermally stable to 290°C and it is non soluble in water. As a result, it will not leach out over time. It also offers excellent UV stability and is chemically stable to mineral acids.

The most recognizable feature of AC-2 is its self-contained carbon source and blowing agent, allowing for a lower use of flame retardant while improving the property profile of the finished composition.

### Specifications:

|                                     |                           |
|-------------------------------------|---------------------------|
| Appearance                          | Free flowing white powder |
| Assay                               | 99%+                      |
| Thermal Decomposition               | 290°C min                 |
| pH (10% slurry in H <sub>2</sub> O) | 4.5                       |
| Moisture content                    | 0.15% max                 |
| Solubility in H <sub>2</sub> O      | Less than 1% @ 170°F      |
| Particle Size (D50)                 | 3-5 microns               |

### Applicaitons:

Polyolefin plastics (20-22% in PP & 30-32% in PE), Rubber, Polyurethane, Polyurea and other thermoset applications, where efficiency and cost performance are key considerations. Diverse and general applications, which require a light weight fabricated product. Intumescent coatings, epoxy compounds, sealant/adhesive end use requiring non-leachability.

Note: Material is manufactured by **Broadview Technologies Inc.**

The above table gives typical analysis based on historical production performance. MJL does not make any express or implied warranty that future production will demonstrate or continue to possess these typical analysis.

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