

# TECHNICAL DATA SHEET



## ADDILIFE™ M3

Pro-degradant Polymeric Additive

AddiLife™ M3 is a heavy metal free polymeric pro-degradant additive used to convert fossil-based polymers into industrially compostable material



### USAGE AND APPLICATIONS

<b>General use</b>	<b>AddiLife™ M3 can be used as an additive for the polyolefin materials which are used in different fabrication processes, including injection molding, sheet extrusion, blow molding, thermoforming, film forming, or fiber spinning also enabling processors to economically change their plastic goods into eco-friendly models, without losing efficiency or longevity. Biodegradable and compostable products are finding uses in many applications, including packaging, paper coating, fibers, films, and a host of molded articles.</b>
<b>Recommendations</b>	Typical loading range are 2 – 3% for films or sheets, 4-10% for thicker section articles. Appropriate loading level will depend on the number of variables, including the final application, the effect of other additives and the thickness of the sample. Conditions of processing: direct addition into the extruder at a maximum temperature of 200 °C. More detailed recommendations are available upon request.



### BENEFITS AND ADVANTAGES

Bio-degradable and compostable plastics can be produced at a low cost because only a small amount of pro-degradant is needed.

The degradation period can be controlled by adjusting the dosage of the pro-degradant.

AddiLife™ M3 works with traditional manufacturing techniques, making it easy to add to existing formulations.

AddiLife™ M3 uses raw materials that individually comply with the RoHS Directive.

Addilife™ M3 uses raw materials that are compliant with REACH.



### PHYSICAL PROPERTIES

**Appearance**

White cylindrical granules.

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### GENERAL INFORMATION

<b>Handling and storage</b>	<p>This product does not require any special storage precautions other than that it should be stored in its original closed containers in a cool and dry place.</p> <p>General rules of good industrial hygiene, including the proper use of protective equipment, should be followed to ensure safe handling. Avoid contact with skin, eyes, and clothing. Avoid dust formation and breathing dust. Wash thoroughly after handling. Workers should be protected from the possibility of contact with molten material during fabrication. Low hazard for usual industrial or commercial handling.</p> <p>Please consult the SDS for detailed advice before using it.</p>
<b>Disclaimers</b>	<p>The information and recommendations contained herein are based on Eloquent Ideas SA's present state of knowledge and given in good faith. The user is obliged to ensure the suitability and fitness of the product for its intended purpose and proper conditions of use. It remains the sole responsibility of the user to ensure that no third-party patent rights are infringed using this product. Eloquent Ideas assumes no liability for any patent violations or damages resulting from improper use of the product.</p>
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