

TECHNICAL DATA SHEET



ADDILIFE™ M4, M5

Pro-degradant Polymeric Additive

AddiLife™ M4, M5 is a heavy metal free polymeric pro-degradant additive made from biomaterials used to convert fossil-based polymers into industrially compostable material.



USAGE AND APPLICATIONS

General use	<p>AddiLife™M4 , M5 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 and enabling processors to economically change their plastic goods into eco-friendly models, without losing efficiency or longevity.</p> <p>Biodegradable and compostable products are finding uses in many applications, including packaging, paper coating, fibers, films, and a host of molded articles.</p>
Recommendations	<p>Typical loading range are 2 – 3% for films or sheets, 4-10% for thicker section articles</p> <p>Suitable loading will depend on numbers of factors including the final application, effect of other additives and the effect of other additives and the thickness of the sample.</p> <p>Processing conditions: direct addition in the extruder at maximum temperature of 200°C</p> <p>More detailed recommendations are available upon request.</p>



BENEFITS AND ADVANTAGES

Bio-degradable and compostable plastics can be produced at a low cost because only a small amount of the pro-degradant is needed.
The degradation period can be controlled by adjusting the amount of the pro-degradant dosed.
AddiLife™ M4,M5 works with traditional manufacturing techniques making it easy to add to existing formulations.
AddiLife™ M4, M5 uses raw materials that individually comply with the RoHS Directive
Addilife™ M4,M5 uses raw materials that are compliant with REACH



PHYSICAL PROPERTIES

Appearance	Beige Sphere Granules
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GENERAL INFORMATION

Handling and storage	<p>Avoid contact with skin and eyes. Avoid dust formation. Workers should be protected from the possibility of contact with molten material during fabrication. Low hazard for usual industrial or commercial handling. Use personal protective equipment.</p> <p>Storage: Store in cool place. Keep at temperatures below 104F (40 °C). No special restrictions on storage with other products</p> <p>Precautions: No special precautions required</p> <p>Please consult the SDS for detailed advice before using it.</p>
Disclaimers	<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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