

Compostable material proofed by MFPA

CAPROWAX P™ 6006-00-000 is a compostable material according to DIN EN 13432 (layer thickness up to 500 µm),

Testmaterial: **CAPROWAX P® 6006-00-000** proofed by MFPA, the official material test establishment of the Bauhaus-University Weimar.

CAPROWAX P™ used as material, binder or carrier material consists from a mixture of aliphatic - home and industrial compostable certified - polyester such as of modified, readily biological degradable, vegetable triglycerides. These are no food and feeding stuff and are gained from oil plant for technical applications.

Especially attention to the quality of raw material and products and rely on in all confidence with suppliers and customers. There is an abdication of registration and control as compostable material for reasons of cost.

The proof of compostability, according to DIN EN 13432, is documented by the official material test establishment MFPA of Bauhaus-University Weimar in Germany. Test certificate No. P 31/029-05.

Please see test certificate P 31/029-05 on page 2.

Information about products and projects:

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CAPROWAX P™ compostable of course



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Test certificate No. P 31/029-05

Order: Test of a biodegradable polymer / wax-compound
CAPROWAX P® 6006-00-000 to German Institute for Standardization
DIN EN 13432 with the proof of the disintegration in a bench-scale test
(A.3), proof of the quality of the composts (8.), including the ecotoxicological
harmless state (A.4)

Customer: POLYFEA Polymer- und Produktentwicklung Albrecht Dinkelaker
Ernst-Wiss-Str. 18
65933 Frankfurt / Main

Order date: 04.11.2004

Test object: CAPROWAX P® 6006-00-000
foil 500 µm / KW 42 / 2004 (foil 1), MFA-No. BAW 4869
CAPROWAX P® 6006-00-000
powder < 750 µm / 06.11.03 MFA-No. BAW 4869

Test condition: Test duration 12 weeks, 1 week at temperature of approximately 65 °C,
11 weeks at temperature of approximately 45 °C

Test criterion: Degradation of the BAW > 90%, ecotoxicological harmless state compared
to compost material, compost quality

Test period: 23.11.04 – 16.02.05

Test results: The examined material samples fulfil the criteria of the disintegration for the
aerobic process of composting. The examined material CAPROWAX P® 6006-
00-000 with a foil strength of 500 µm was degraded with several routine tests in
each case to more than 90% within 12 weeks.

After ending of the test period the measuring results of the compost
corresponded to the usual averages of the RAL quality tests. Significant
differences as a result of BAW addition were not found. The comparison with
the authoritative control samples revealed no higher heavy metal content. At the
end the compost was rotted sufficiently.

A detailed test report to the investigations was given at MFA Weimar
(No. B 31/188-05).

Weimar,
2005-06-02


Prof. Dr.-Ing. J. Bergmann
Scientific Director




Dipl.-Ing. J. Müller
Project Manager

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