

# BioMineralComposite CAPROWAX P™ 6006-C65-BM4225

Compostable polymer-/waxblend: Bio-Dry-Blend CAPROWAX P 6006-C65 (intermediate)

**Customer information**  
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**Product-information**  
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Zolltarifnummer: 3907 99 80  
**Albrecht Dinkelaker**  
Polymer- and Product Development  
Blumenweg 2  
D 79669 Zell im Wiesental

## Properties / Data / Description

Form / colour / size		Pellets / dull white / 2-3 mm
Biominerale (BM) / content	DIN EN ISO 1172	natural Calciumcarbonate / 25,6%
Density		g/cm <sup>3</sup> 1,2453
Vicat VST A 50	DIN EN ISO 306	°C 56
Shore hardness D	DIN EN ISO 868	52
Residual humidity (LOD)	105°C/1h	% < 0,3
Softening beginning	DSC	°C 57-63
Remark		heatstable up to 200-220°C / acid sensitive

Tensile strength and elongation are dependent of temperature/stretching conditions

Measurements make only sense with comparable process conditions and thickness of moulded or stretched articles

## Description

CAPROWAX P™ 6006-C65-BM4225 is a mixture of thermoplastic, compostable polymer-/waxblend with 25% harmless, soil-related, natural BioMineral. All organic components are easily biodegradable. Produced products comply the specifications of DIN EN 13432

Compostable polymer-/waxblend:  
CAPROWAX P™ 6006-C65  
\*) calculated

83,7%\* organic carbon from biobased resources  
Total amount of organic carbon: 71,4%\*

MFPA Weimar  
Test certificate: P31/029-05

A compostable carrier material - as dry-blend-intermediate - is modified with additives in accordance to DIN EN 13432 and comparable with the tested material at MFPA Weimar:  
**CAPROWAX P® 6006-00-000** (DIN EN 13432)

No food or feeding stuff  
Ecofriendly composition

GM-free, no content of starch or PLA. Soil-related biomineral, no content of aromatic or nitrogenous substances,

Use

Suited for products of agriculture, garden and environment, especially suited for low-lime soil or compost. The mineral part support the biogen weathering of composite in soil and natural waters

## Thermoplastic processing

The high content of mineral needs adapted heating and cooling

Moldedfreely Thermo-plasticine

Pellets on non-stick panel at 90°C preheating, after at 70-80°C shaping/kneading/rolling to foils/sheets/shapings

!!! Wear protective gloves !!!

Injection moulding  
Orientation values

Plastification 160-130°C (266-320°F)  
mould <40°C (<104°F)

Vacuum forming, sheets/foils  
Orientation values

Extrusion 160-130°C (320-266°F), melting calender <100°C (<212°F) or slot die <120°C (<248°F), cool-/discharge roller <60°C (<140°F)  
Preheating sheets/foils 75-90°C (167-194°F), mould <30°C (<86°F)

Drying pellets on demand

50°C (122°F)/12h Avoid heating melt >90°C (>194°F) over long time

Examples of application

Products of injection moulding and vacuum forming, sheets, composites, support material, substrate, frisbee disk, cans, trays, plant plug signs, garden decor, soap dish, edge protection

Sales unit

5kg, 25kg and 100kg or more upon request

Storage/Instruction

Avoid heat/moisture, storage in original containers only

**CAPROWAX P™ compostable of course**

