

# BioMineralComposite CAPROWAX P™ 6006-C65-BM42030

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

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Product-  
information  
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Talstrasse 83  
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| Properties / Data / Description |                 |   |
|---------------------------------|-----------------|---|
| Form / colour / size            |                 | Pellets / dull white / 1,5-3,5 mm           |
| Biominerale (BM) / content      | DIN EN ISO 1172 | natural Calcite (Calcium carbonate) / 3%    |
| Bulk density                    |                 | g/l > 600                                   |
| 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-BM42030 contents 3% harmless, soil-related, natural Biominerale Calcite in a thermoplastic, waterproof, compostable polymer-/wax blend  
Products comply the specifications of DIN EN 13432

**Compostable polymer-/wax blend CAPROWAX P™ 6006-C65:** consists of aliphatic, home/industrial compostable, certified polyester and modified, readily biodegradable, renewable, GMO-free plant oil.

**MFPA Weimar Test certificate: P31/029-05 \*) calculated** The carrier material is comparable with the test material **CAPROWAX P® 6006** DIN EN 13432 tested by MFPA Weimar **83,7% of organic carbon are biobased \*)**

**No food or feeding stuff eco-/compost friendly** GM-free, no content of starch or PLA  
Without content of aromatic or nitrogenous substances  
Harmless, soil-similar, acid-binding Biominerale

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

**Injection moulding 0,5 - 3 mm** Plastification without predrying 130°C, die 130°C, mould 15°C

**Extrusion** Plastification without predrying 130°C, die 100-130°C

**Blow moulding Wall thickness 1-2 mm** Plastification without predrying 100-130°C, parison die 70-100°C, mould 15°C

**Vacuum forming, sheets, foils Orientation values Wall thickness 1-2 mm** Extrusion 160-130°C, melting calender <100°C or slot die <130°C, cool-/discharge roller 15°C  
Preheating sheets/foils 75-90°C, mould 15°C

**3D printing with pellets** Extrusion 100-150°C, die 100-150°C, cold air cooling 15°C

**Drying pellets on demand** 50°C /12h Avoid heating melt >90°C over long time

**Examples of application Suited for compostable and rotten products after use** Products of injection moulding and vacuum forming, sheets, hotmelts, 3D printing, foils, composites, substrate, frisbee disk, cans, plant plug signs, garden decor, soap dish, edge protection  
**Colouration see [caprowax-p.eu](http://caprowax-p.eu)** trays, wicker ribbons, bark beetle trap, grave jewelry.

**Order quantities** 2 kg sample free, 100 kg minimum order or more

**Storage/Instruction** Avoid heat/moisture, storage in original containers only

**CAPROWAX P™ compostable of course**