

# CAPROWAX P™ BioMineralComposite / NF-BioComposite



## Product line with natural Biomineral Calcite CAPROWAX P™ 6006-C65-BM42030 / -BM42100 / -BM42150

Description	CAPROWAX P™ 6006-C65-BM42xxx content 3-15% harmless, soil-similar, natural Biomineral Calcite together with aliphatic - biodegradable MARINE, home / industrial compostable - certified polyester and modified, readily biodegradable, renewable, GMO free plant oil. Products comply the specifications of DIN EN 13432
Compostable, waterproof binding material: CAPROWAX P™ 6006-C65	
Injection moulding 0,5-3mm	Plastification without predrying 130°C, die 130°C, mould 15°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 without predrying 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
Examples of application Suited for compostable and rotten products after use	Products of injection moulding, vacuum forming, hotmelt, 3 D printing, sheets, composites, foils, substrate, frisbee disk, cans, plant plug signs, garden decor, soap dish, edge protection trays, wicker ribbons, bark beetle trap, stone dummy.
Order quantities	0,3 - 2,0 kg sample free, 100 kg minimum order or more

CAPROWAX P™ compostable of course



Description	CAPROWAX P™ 6006-C65-BM4225 contents 25% harmless, soil-similar, natural Biomineral Calcite together with aliphatic - biodegradable MARINE, home / industrial compostable - certified polyester and modified, readily biodegradable, renewable, GMO-free plant oil. Products comply the specifications of DIN EN 13432
Compostable, waterproof binding material: CAPROWAX P™ 6006-C65	Products comply the specifications of DIN EN 13432
Free mouldable thermo-plasticine !!! Wear protective gloves !!!	Pellets on non-stick panel at 90-100°C preheating, after cooling down to 70-80°C shaping/kneading to shapings
Injection moulding of calcite coloured stones imitations	Plastification without predrying 130°C, die 130°C, mould 15°C
Melt granules 1,5-3,5 mm for one-/multilayered pictures !!! Wear protective gloves !!!	In non-stick pans strewing melt granules-pictures free or with templates, after moving templates, melting on a hotplate at 100°C and cool down to room temperature
Examples of application Suited for compostable and rotten products after use Colouration: Harmless pigments without addition of TiO2	Calcite coloured stones imitations, deco granules, melting granules, garden ornamental gravels, garden decor, letters, substrate coloured with CAPROWAX P-Masterbatches of Ultramarine, Iron Oxide, Manganviolet, vegetable Carbon, Kaolin (calcined), with compostable carrier material
Order quantities	5 kg test material, 100 kg minimum order or more

## Natural Fiber-BioComposites

Water proof, compostable CAPROWAX P NF-BioComposites are fine-grained, free flowing, thermoplastic "Bio-Dry-Blends". The manufacturing is carried out with the binding agent **CAPROWAX P 6006-C65** as a powdery intermediate

CAPROWAX P™ 6006-C65-NF41xx      rosin free wood fibres      (xx = 10 - 40%)

CAPROWAX P™ 6006-C65-NF5xxx      microcrystalline cellulose      (xx = 10 - 40%)

CAPROWAX P™ 6006-C65-NF40xx      cellulose fibres      (xx = 10 - 40%)

## Coating, Bonding, Thermoforming, Sinter-/Core material

The powdery binding agent consists of aliphatic - biodegradable MARINE, home/ industrial compostable - certified polyester and modified, readily biodegradable, renewable, GMO-free plant oil and is comparable with **CAPROWAX P™ 6006-00-000**

Tested by MFPA, University Weimar, in accordance with DIN EN 13432

Test material: **CAPROWAX P®6006-00-000**

Test certificate No.: P31/029-05

83,7 % organic carbon\*) of binding-agent are from biobased resources \*)calculated

[info@polyfea2.de](mailto:info@polyfea2.de)

[www.caprowax-p.eu](http://www.caprowax-p.eu)

**CAPROWAX P™ compostable of course**

**B O W**  
**R A I N** **SOIL**