

BioMineralComposite CAPROWAX P™ 6006-C65-BM42100

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

Customer information
Fon: +49 7625 91 84 58
E-Mail: info@polyfea2.de
www.caprowax-p.eu

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 / 1,5-3,5 mm
Biominerale (BM) / content	DIN EN ISO 1172	natural Calcium Carbonate / 10%
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-BM42100 is a mixture of thermoplastic, compostable polymer-/wax blend with 10% harmless, soil-related, natural BioMineral. All organic components are readily biodegradable. Produced products comply the specifications of DIN EN 13432

Compostable polymer-/wax blend: CAPROWAX P™ 6006-C65
*) calculated
83,7%* organic carbon from biobased resources
Total amount of organic carbon: 71,4%*
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:
MFPA Weimar
Test certificate: P31/029-05
CAPROWAX P® 6006-00-000 (DIN EN 13432)

No food or feeding stuff
Ecofriendly composition
GM-free, no content of starch or PLA, no content of aromatic or nitrogenous substances. Soil-related biomineral.

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
Wall thickness 1-2 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

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

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

Order quantities
Testmaterial on request

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

CAPROWAX P™ compostable of course

Vacuum fo Extrusion 160-130°C (320-266°F), melting
Orientatio or slot die <120°C (<248°F), cool-/dischar
Preheating sheets/foils 75-90°C (167-194°
Drying pel 50°C (122°F)/12h Avoid heating melt >90
Examples Products of injection moulding and vacuu
composites, support material, substrate,
trays, plant plug signs, garden decor, soap

calender <100°C (<212°F)

ge roller <60°C (<140°F)

F) , mould <30°C (<86°F)

0°C (>194°F) over long time

in forming, sheets,

, frisbee disk, cans,

p dish, edge protection