

BioMineralComposite CAPROWAX P™ 6006-C65-BM4225

Compostable binder material: Bio-Dry-Blend CAPROWAX P 6006-C65 (intermediate)

Zolltarifnummer: 3907 99 90 90

Customer information

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Test material

Product information

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Polymer- and Product Development

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Properties / Data / Description

Form			Pellets
BioMineral/content		%	natural Carbonate/25,0
Residual humidity (LOD)	105°C/1h	%	< 0,3
Softening beginning	DSC	°C	57-63
Remark			acid sensitive

BM = BioMineral / Tensile strength and elongation are dependent of temperature and 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 binder CAPROWAX P 6006-C65 with 25% harmless, natural BioMineral. All organic components are easily biodegradable. Produced products comply the specifications of DIN EN 13432

Thermoplastic binder material:
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 is comparable with the tested material at MFPA Weimar:
CAPROWAX P® 6006-00-000 (DIN EN 13432)

MFPA Weimar
Test certificate: P31/029-05

No food or feeding stuff
Ecofriendly composition

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

Use

Suited for products of agriculture, garden and environment. Particularly suited for low-lime soil or compost. The composition of BioMineralComposite support the degradation in seawater.

Thermplastic processing

When heating and cooling the high content of mineral needs an adapted temperature control

Injection moulding

Plastification 160-130°C (266-320°F)

Orientation value

mould <40°C (<104°F)

Vacuum forming, sheets/foils

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)

Orientation value

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

Order

5kg sample, 25kg and 100kg

Storage/Instruction

Avoid heat/moisture, storage in original containers only

CAPROWAX P™ compostable of course

