

BioMineralComposite CAPROWAX P™ 6006-C65-BM42150

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

Customer information
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Product-
information
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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) / 15%
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-BM42150 contents 15% 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 Wall thickness 2-3 mm 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 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 Suited for compostable and rotten products after use Products of injection moulding and vacuum forming, sheets, composites, foils, support material, substrate, cans, plant plug signs, garden decor, edge protection, growing trays, garden ornamental gravels, letters.

Colouration see caprowax-p.eu

Order quantities 300g sample free, 100kg minimum order or more

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

CAPROWAX P™ compostable of course