BioMineralComposite CAPROWAX P™ 6006-C65-BM42100

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

Zolltarifnummer: 3907 99 80

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Product-information
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Properties / Data / Description			
Form / colour / size			Pellets / dull white / 1,5-3,5 mm
Biomineral (BM) / content	DIN EN ISO 1172		natural Calcite (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 contents 10% harmless, soil-related, natural Biomineral 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 nitrogeneous substances Harmless, soil-similar, acid-binding 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 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 Colouration see caprowax-p.eu	Products of injection moulding and vacuum forming, sheets, 3D printing, composites, foils, support material, substrate, frisbee disk, cans, plant plug signs, garden decor, soap dish, edge-protection, trays, wicker ribbons, bark beetle trap, stone dummy.
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