BioMineralComposite CAPROWAX P™ 6006-C65-BM4225

Compostable binding material: Bio-Dry-Blend CAPROWAX P 6006-C65 (Intermediate)

Lot-No. MUFS 103107 Customs-Tariff-No.: 3907 99 80

Customer information
Fon: +49 69 76893910
E-Mail: info@polyfea2.de
www.caprowax-p.eu

Product-information
03/2021

Albrecht Dinkelaker
Polymer- and Product Development
Talstrasse 83
D 60437 Frankfurt am Main

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)/25,6%
Density		g/cm3	1,2453
Vicat VST A 50	DIN EN ISO 306	°C	56
Shore hardness D	DIN EN ISO 868		52
Residual humidity (LOD)	105°C/1h	%	< 0,3
Softening beginning	DSC	°C	57-63
Remark			heatstable up to 200-220°C / acid sensitive

Description	CAPROWAX P™ 6006-C65-BM4225 is a mixture of thermoplastic, compostable polymer-/wax blend with 25% 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:	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
Thermplastic processing	The high content of mineral needs adapted heating and cooling
Moulded freely Thermo-plasticine Wall thickness >3 mm !!! Wear protective gloves !!!	Pellets on non-stick panel at 75-85°C preheating, at 70-80°C shaping/kneading to shapings or at 95-110°C casting of plates or shapes in non-stick frying pan
Injection moulding of calcite coloured stones imitation	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
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	Calcite coloured stones imitation, deco granules, melting granules, garden ornamental gravels, garden decor, letters, substrate coloured with CAPROWAX P-Masterbatches of Ultramarine, Iron Oxide, Manganviolet, vegetable Carbon and Kaolin (calcined)
Order quantities	5kg, 100kg or more upon request
Storage/Instruction	Avoid heat/moisture, storage in original containers only

CAPROWAX P™ compostable of course