

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

Sample material

Customs-Tariff-No.: 3907 99 80

Customer information

Fon: +49 7625 91 84 58

info@polyfea2.de

www.caprowax-p.eu

Product example

Albrecht Dinkelaker

Polymer- and Product Development

Blumenweg 2

D 79669 Zell im Wiesental

Properties / Data / Description

Form	a) 36.08.PV.006	mm	Pellets, Diameter:1,5-3,0/ Size:2,0-3,5
Content of pigments	b)	%	25,0
Colour Index	PB 29		Ultramarine Blue
Colour Index	PW 6		Titandioxide
Colour description	c)		blue, greenish, covering
Lightfastness	d)		7-8
Bulk density	DIN EN ISO 60	g/l	754
Density	DIN EN ISO 1183	g/cm ³	1,21
Residual Humidity (LOD)	105°C/1h	%	< 0,3
Softening beginning	DSC	°C	57-63
Remark	heatstable up to 200-220°C / acid sensitive		

a) internal test norm / b) Formulation with weighing protocol c) 2% Masterbatch in CAPROWAX P 6006

d) Data of pigment producer

Based on the biological sources different values of measurement could be occur

Description

CAPROWAX P™ Blue G 510 lw, a masterbatch with harmless, light-fast, non-migratory, temperature stable, insoluble in water, inorganic pigments partially comparable with natural pigments. Low-dusty incorporated in a compostable carrier material. Coloured bioplastics comply the specifications of DIN EN 13432

Carrier 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

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

Without content of aromatic or nitrogenous substances

Biopolymers and use

Covering colouration of bioplastics/biocomposites/blends as PLA, PBS, PHA, PCL, CAPROWAX P™/Blends, Bio-NFC/-WPC Polysaccharides/Derivates, Casein, PVAc/Bioplastic-Blends, PVOH, Bio-TPE, Bio-UPR, NIPU. For use as colouring additive suited for products of agriculture, garden and environment.

Introduction to recipe for reduced content of TiO₂ (lw)

Processing temperatures

Drying pellets on demand

1-2% Masterbatch (MB) homogenous intermixing with pellets

In coloured products content of TiO₂ is ≤0,1%

90-200°C (194-392°F) / short time up to 220°C (428°F)

50°C (122°F)/12h Avoid heating melt >90°C over long time

Examples of application

Products of injection moulding, vacuum-/blowforming, foils, hotmelts, NF-BioComposites, support material, substrate, coating

Storage/Instruction

Avoid heat and moisture, storage in original containers only

CAPROWAX P™ compostable of course