

Masterbatch CAPROWAX P™ Blue FK G 510 tex LP

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

Sample material

VP 21-74

Customs-Tariff-No.: 3907 99 80

Customer information

Product-

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Information

Polymer- and Product Development

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Properties / Data / Description

Form	LP		Flakes
Content of pigments	b)	%	25
Colour Index	PB 29		Ultramarine Blue
Colour Index	PW 19		Kaolin, calcined
Colour description	c)		blue, greenish, covering
Lightfastness	d)		7-8
Density	DIN EN ISO 1183	g/cm ³	>1,2
Residual Humidity (LOD)	105°C/1h	%	< 0,3
Softening beginning	DSC	°C	57-63

Remark: tex = suited for colouration of filaments / heatstable up to 200-220°C / acid sensitive

b) Pigment determination proportionally c) 2% Masterbatch in CAPROWAX P 6006 d) Data of pigment producer

FK = Kaolin, calcined Based on the biological sources different values of measurement could be occur

LP = Laboratory prototype

tex = suited of colouration of filaments

Description

CAPROWAX P™ Blue FK G 510 tex LP, a masterbatch with harmless, lightfast, non-migratory, temperature stable, insoluble in water, inorganic pigments. Mineral brightening without addition of TiO₂ Low-dusty incorporated in a compostable carrier material. Coloured bioplastics comply the specifications of DIN EN 13432

Carrier material

CAPROWAX P 6006-C65

consists of aliphatic - biodegradable MARINE, home/industrial compostable - certified polyester and modified, readily biodegradable, renewable, GMO-free plant oil

MFPA 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

composition

GM-free, no content of starch or PLA

Without content of aromatic or nitrogenous substances

Harmless, soil-similar, inorganic pigments without addition of TiO₂

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

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

Processing temperatures

Drying pellets on demand

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

