

Masterbatch CAPROWAX P™ Blue G 510 lw tex

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

Sample material

Customs-Tariff-No.: 3907 99 80

Customer information

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Product example

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Polymer- and Product Development

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Properties / Data / Description

Form	a) 35.08.PV.026	mm	Pellets, Diameter:1,5-3,0/ Size:2,0-3,5
Content of pigments	b)	%	25
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: tex = suited for colouration of filaments / heatstable up to 200-220°C / acid sensitive

a) internal test norm / b) Pigment determination proportionally c) 2% Masterbatch in CAPROWAX P 6006 lw = low content TiO₂

d) Data of pigment producer Based on the biological sources different values of measurement could be occur

Description

CAPROWAX P™ Blue G 510 lw tex, a masterbatch with harmless, lightfast, 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:

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

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 yield in coloured products a content of ≤0,1% TiO₂

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

