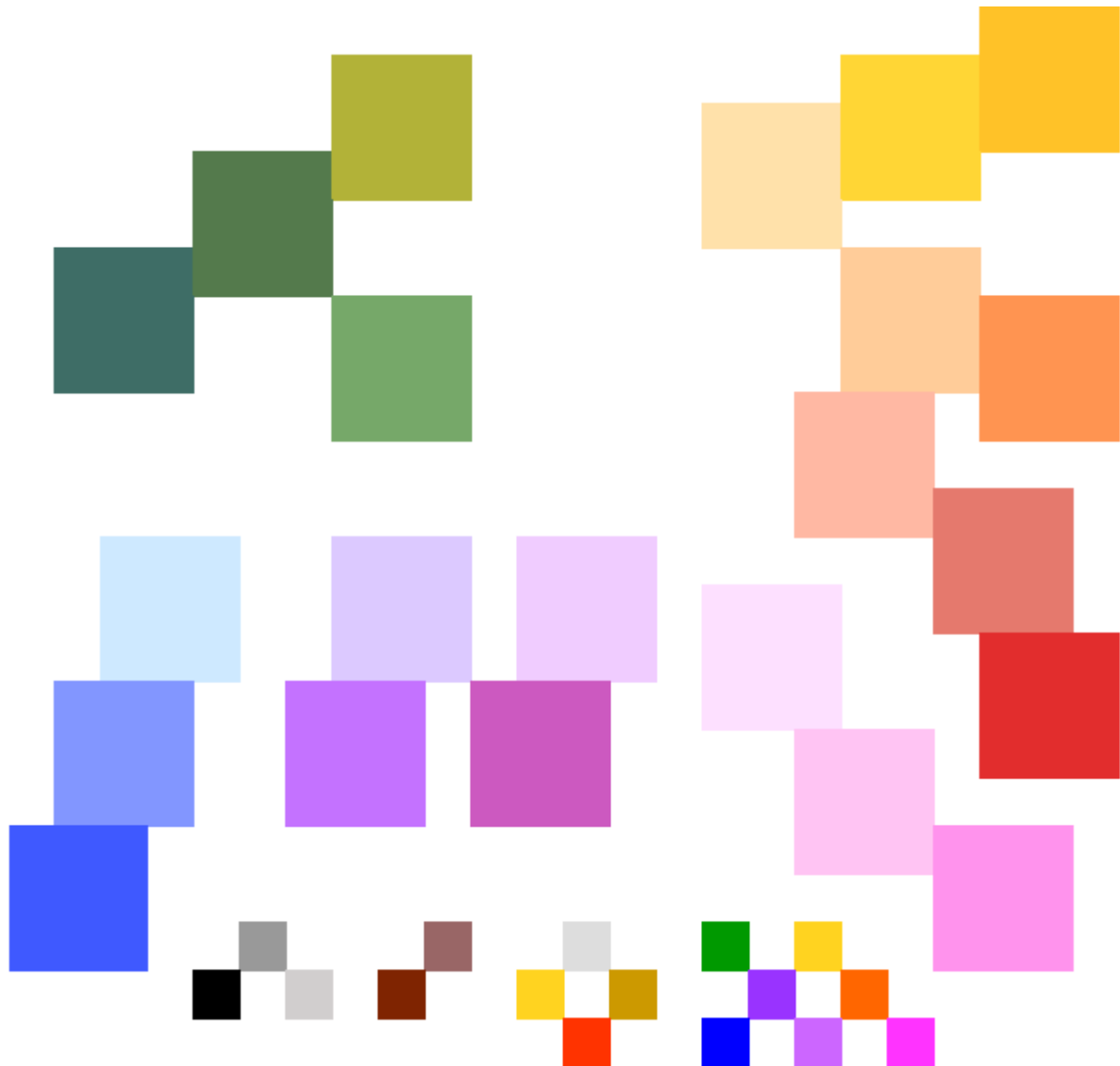


Masterbatches delivery list CAPROWAX P™

Masterbatches for Bioplastics/Biocomposites/Blends: PLA, PBS, PHA, PCL, CAPROWAX P™/Blends/BioMineralComposite, Bio-NFC/WPC, Casein, PVOH, Polysaccharides/Derivates, PVAc/Blends, Bio-TPE/UPR, NIPU.

As colourants are used biobased, biomineral and/or harmless, inorganic pigments with mineral, lightfast brightening prefers without Titanium Dioxide
The carrier material is compostable and waterproof.

Colourations of bioplastics comply the specifications of DIN EN 13432.



Albrecht Dinkelaker
Polymer- and Product Development

info@polyfea2.de
www.caprowax-p.eu

>COLOURATION<

Masterbatches for translucent colouration

Page 2 of 4

CAPROWAX P™	Shade chromatic	CAPROWAX P™	Shade chromatic
Red 114 T		Red Y 121 T tex	AR
Yellow 310 T tex	AR	Green 427 T tex	
Green 413 T tex	MB500	Green 426 T tex	
Green AR 430 T tex	LP/AR	Blue AR 530 T tex	LP/AR
Blue G 511 T tex		Blue R 516 T tex	
Violet B 616 T		Violet R 617 T	
R: reddish	Y: yellowish	G: greenish	B: bluish
T: translucently		LP: Laboratory prototype	
AR: acid resistant		MB500 = 500g sample for process engineering experiments	

Addition of translucent CAPROWAX P - Masterbatches to different bioplastics: 0,5-4%.

All shades of colour are comparable or similar to the product colours.

Masterbatches are produced batchwise together with compostable carrier material and pigments by contract manufacturing. CAPROWAX P™- carrier material consist of aliphatic, home/industrial compostable certified polyester and modified, readily biodegradable, renewable, GMO-free plant oil.

The compostability of carrier material is examined by MFPA, University Weimar:

Test material: CAPROWAX P® 6006

Test certificate No.: P31029-05 according to DIN EN 13432

Application for translucent to transparent, pearlescent or full covering colouration:

Injection- / Vacuum- / Blow- / Compression-moulding, Fused casting,

Mono-/Multifilaments, Foils/Sheets, Hotmelts, NF-BioComposites,

BioMineralComposites, Thermoplastic Plasticine, Foams and Coating.

Pigments are biobased, biomineral or calcined, pigmentlike Kaolin and/or of inorganic, synthetic production. They are harmless, lightfast, non-migratory, temperature stable, insoluble in water, comparable with natural, mineral pigments and already mineralised. They are low-dusty incorporated in compostable carrier material and masterbatch pellets are added to different bioplastics in a range of 0,5-6%.

Processing at 90-200°C, short time up 220°C. In coloured final products content of each separate pigment is ≤1%.

Colouration of bioplastics comply the specifications of DIN EN 13432.

CAPROWAX P™ compostable of course

BOW
RAIN SOIL

CAPROWAX P™	Shade chromatic	CAPROWAX P™	Shade chromatic
Red FK 133 tex	AR	Red FK 112	LP
Red 116 lw tex	MB 500/AR	Red FK 117	LP/AR
Orange 204 lw tex	AR	Orange FK 205	LP/AR
Yellow 307 lw tex	AR	Yellow FK 312	LP/AR
White FK 005 tex	AR	White C 004 BM ww QX	MB500
Green 416 ww tex		Green 417 ww tex	
Green FK 446 tex	LP	Green FK 440 tex	LP
Green FK 443 tex	LP		
Green 447 ww tex		Green 448 ww tex	
Blue FK G 510 tex		Blue FK G 543	LP
Blue G 510 lw tex	MB500	Blue FK G 509	LP
Blue FK G 512		Blue FK R 542	LP
Violet FK B 605	LP/AR	Violet FK R 608	LP/AR
Violet B 607 lw tex	AR	Violet R 610 lw tex	AR
Brown 702 lw wcb tex	AR	Brown FKV 709 bb QX/QA	LP/AR
Grey 821 BM ww QX		Grey FK 824 S wcb	LP/AR
Lava-Grey FK 833 QX/QA	LP		
Black 801 wcb	AR	Black V 804 bb QX/QA	AR

V: vegetable Carbon **bb:** biobased **FK:** Kaolin, calcined **ww =** TiO2 free
BM: Biomineral, natural Calcium Carbonate **AR =** acid-resistant **lw =** ≤ 0,1% TiO2 in coloured polymer
R: reddish **G:** greenish **B:** bluish **LP:** Laboratory Prototype **wcb =** without carbon black
tex: suited for colouration of filaments **S:** heat stable up to 220°C
MB500 = 500g sample for process engineering experiments

Products for soil improvement:

- QX =** biobased vegetable carbon, Lava-Powder, soil improver
- QA =** Water retention capacity
- BM =** BioMineral, natural Calcite, acid-binding and soil similar
- FK =** calcined Kaolin, compost friendly

Addition of CAPROWAX P - Masterbatches to different bioplastics: 0,5-4%.

The palette of masterbatches is changed to the eco-friendly, soil similar, calcined, pigmentlike Kaolin (FK) as a white pigment. TiO2 will be used strong reduced only.

Your order of CAPROWAX P™ - Masterbatches

See colour palettes page 2-3: **Shades of colours + code**

Technical samples: You can get up to 4 samples a 50g pellets free of charge
 For additional process engineering experiments
 you can get 500g MB500 samples see page 2-3.
 After consultation 20-25 kg testmaterial for scaling up

New MB-Recipes: Coloured CAPROWAX P™ - Buttons on request.

Supply quantities:	100 kg, 200 kg, 500 kg
+/- 25 kg:	After your selection you will get an offer about location-based, direct delivery
25 kg PE-Bags in carton or on palett	For a better raw material procurement a yearly forecast is required
	*) Since corona crisis the delivery of raw material is temporarily delayed
Market area:	European Union
Prices:	According to offer
Payment conditions:	According to offer
Delivery date *):	after completely delivery of raw material to the toll manufacturer plus up to 6 - 7 weeks
Miscellaneous:	Product infos and SDS

Informations, quote requests and orders at

Albrecht Dinkelaker

Polymer and Product Development

Talstraße 83

info@polyfea2.de

D 60437 Frankfurt am Main

Fon: 069 76893910

Banking details/Finance office: On request

VAT-No.: DE165 604 009

CAPROWAX P™ compostable of course

