

## COLOUR PALETTE with LP-Laboratory prototypes of CAPROWAX P™ - Masterbatches without addition of TiO2

LP-Colour prototypes see pages 2-5: CAPROWAX P™ + shade + LP-Code  
Sampling with 50g LP-Masterbatch-Recipes in form of flakes.  
After customer selection a technical sample will be produced.  
Colour buttons on request

## Further projects with CAPROWAX P™ - basic material

Monofilaments, hotmelt:	CAPROWAX P™ 6006-00-000
Plasticine, modelling bloc	CAPROWAX P™ 6070-T215 CAPROWAX P™ 6070-C65-T215
Hydrophobising:	CAPROWAX P™ 6077-1004
Bio-Dry-Blend-NF-Composites:	CAPROWAX P 6006-65-NFxxxx with 10 - 40 % content of nature fibres
Scale of projects:	According to agreement
Samples on request:	300g in fragmented or powdered form
Material for projects	batchwise on request
Miscellaneous:	Product information and SDS

Project request at [info@polyfea2.de](mailto:info@polyfea2.de)

Albrecht Dinkelaker

Polymer- and Product Development

Talstrasse 83, D 60437 Frankfurt am Main

Fon ++49 60 76 89 39 10















Mobil ++49 176 55 28 46 04

---

Bankverbindung und Finanzamt: Auf Anfrage

Umsatzsteuer-ID.-Nr.: DE 165 604 009

# Project LP-**Masterbatches** for translucent colouration

<b>CAPROWAX P™</b>	Shade chromatic	<b>CAPROWAX P™</b>	Shade chromatic
Red 114 T		Red Y 121 T tex	
Yellow 310 T tex		Green 427 T tex	
Green 413 T tex	<b>MB500</b> 	Green 426 T tex	
Green AR 430 T tex	<b>LP</b> 	Blue AR 530 T tex	<b>LP</b> 
Blue G 511 T tex		Blue R 516 T tex	
Violet B 616 T		Violet R 617 T	
Violet B 630 T tex	<b>LP</b> 	Violet R 635 T tex	<b>LP</b> 
R: reddish      Y: yellowish      G: greenish      B: bluish      T: translucently			
<b>tex: suited for colouration of filaments</b> LP: Laboratory prototype      AR: acid resistant			
<b>MB500 = 500g sample for process engineering experiments</b>			

Addition of **Masterbatches** to different bioplastics: 0,5-4%

Injection- /Vacuum- /Blow- and Compression-Moulding, Filaments, Foils/Sheets, Hotmelts, Thermoplastic Plasticine, Foams and Coating.

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

Colourations of different bioplastics comply the specifications of DIN EN 13432.

## Effect **Masterbatches** \*LP without Titanium Dioxide

Dull light Gold 9307		Dull Silver white 9002	
Dull medium Gold 9308		Dull Silver classic 9003	
Red 9101		Bronze 9701	

Eco-friendly Effect-**Masterbatches** (\*LP) consist of natural Mica or Mica plus Iron Oxides. Addition to different biopolymers: 2-4%.

\*LP = Laboratory prototypes

# Project LP-**Masterbatches** for chromatic, covering colouration

<b>CAPROWAX P™</b>	<b>Shade chromatic</b>	<b>CAPROWAX P™</b>	<b>Shade chromatic</b>
Red <b>FK</b> 133 tex	LP/AR	Red <b>FK</b> 112	LP
Lava-Red 134 <b>QX</b>	LP	Red 135 <b>BM QX</b>	LP
Red <b>FK</b> 117	LP/AR	Red <b>FK</b> 130	LP/AR
Red <b>FK</b> 115	LP/AR	Red 116 lw tex	MB 500/AR
Orange <b>FK</b> 205	LP/AR	Orange 206 <b>BM QX</b>	LP
Orange <b>FK</b> 203	LP/AR	Orange <b>FK</b> 204	LP/AR
Yellow <b>FK</b> 312	LP/AR	Orange 204 lw tex	AR
Yellow <b>FK</b> 306	LP/AR	Yellow 314 <b>BM QX</b>	LP
Yellow <b>FK</b> 320	LP/AR	Yellow 307 lw tex	AR
Green 444 <b>BM QX</b>	LP		
Green 416 tex		Green 417 tex	
Green 418 tex		Green 448 tex	
Green AR 433 tex	LP/AR	Green AR 435 tex	LP/AR
<b>BM: Biomineral, natural Calcium Calcite</b>		<b>FK: Kaolin, calcined</b>	
AR = Acid resistant		LP: Laboratory prototype	
lw = ≤ 0,1% TiO2 in coloured polymer			
<b>QX = soil improving / acid binding / Water retention capacity</b>			
<b>MB500 = 500g sample for process engineering experiments after consultation</b>			
tex = suited for colouration of filaments		Continuation next page >>>>>>>	

## Products for soil improvement **QX**:

**QX** = biobased vegetable carbon, Lava rock flour, water retention capacity

**BM** = BioMineral, natural calcite, acid-binding **QX** and soil similar

**FK** = calcined Kaolin, compost friendly

Addition of **CAPROWAX P - Masterbatches** to different bioplastics: 0,5 to 4 %  
 The palette of masterbatches is changed to the eco-friendly, soil similar, calcined, pigmentlike Kaolin (FK) as a white pigment for moderate brightening.

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

**CAPROWAX P™** compostable of course



# Project LP - Masterbatches for chromatic, covering colouration

CAPROWAX P™	Shade chromatic	CAPROWAX P™	Shade chromatic
Green FK 441	LP	Green FK 446 tex	LP
Green FK 440	LP	Blue FK G 543	LP
Blue G 545 BM QX	LP	Blue FK G 509	LP
Blue FK G 510 tex		Blue FK G 512	
Blue G 510 lw tex	MB500	Blue FK R 541	LP
Blue R 547 BM QX	LP	Blue FK R 542	LP
Violet B 636 BM QX	LP	Violet R 637 BM QX	LP
Violett FK B 605	LP/AR	Violet FK R 608	LP/AR
Violet B 607 lw tex	AR	Violet R 610 lw tex	AR
Violet B 606 lw tex	AR	Violet R 609 lw tex	AR
Brown FK V 712 bb QX	LP/AR	Brown FK 705 S wcb tex	LP/AR
Brown FK V 709 bb QX	LP/AR	Brown FK V 711 bb QX	LP/AR
Lava Brown 715 QX	LP	Lava Brown 717 QX	LP

**V: vegetable Carbon**      **bb: biobased**      **FK: Kaolin, calcined**  
**BM: Biomineral, natural Calcite**      **AR = acid resistant**      **lw = ≤ 0,1% TiO2 in coloured polymer**  
**R: reddish**    **G: greenish**    **B: bluish**    **wcb = without carbon black**    **LP: Laboratory Prototype**  
**tex: suited for colouration of filaments**    **S: heat stabel up to 220°C**  
**QX = soil improving / acid binding / Water retention capacity**  
**MB500 = 500g sample for process engineering experiments**

## Products for soil improvement QX:

**QX** = biobased vegetable carbon, Lava rock flour, water retention capacity

**BM** = BioMineral, natural calcite, acid-binding QX and soil similar

**FK** = calcined Kaolin, compost friendly

Addition of CAPROWAX P - Masterbatches to different bioplastics: 0,5 to 4 %  
 The palette of masterbatches is changed to the eco-friendly, soil similar, calcined, pigmentlike Kaolin (FK) as a white pigment for moderate brightening.

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



# Project LP-Masterbatches for achromatic, covering colouration

CAPROWAX P™	Shade achromatic	Description
White FK 005 tex	AR	Kaolin, calcined
White C 004 BM QX	MB500	natural Calcite
Grey 821 BM QX ab		natural Calcite/ Iron Oxide Black
Grey FK 822 wcb	LP/AR	Kaolin, calcined / Iron Oxide Black
Grey FK 824 S wcb tex	LP/AR	Kaolin, calcined / Iron Oxide Black (S)
Grey FK V 827 bb QX	LP/AR	Kaolin, calcined / vegetable carbon black
Lava-Grey 833 QX	LP	Lava rock flour volcanic eifel, Iron Oxide, Kaolin
Black 801 wcb	AR	Iron Oxide Black
Black 803 S wcb tex	LP/AR	Iron Oxide Black (S)
Black V 804 bb QX	AR	vegetable Carbon Black
Lava Black 806 QX	LP	Lava rock flour Vulkansifel, Eisenoxid
<b>V: vegetable carbon black</b> <b>bb = biobased</b> <b>BM: Biomineral, natural Calcite</b> <b>FK: Kaolin, calcined</b> <b>AR = acid resistant</b> <b>tex = suited for colouration of filaments</b> <b>LP: Laboratory sample</b> <b>wcb = with out carbon black</b> <b>S: heatstable up to 220°C</b> <b>QX = soil improving / acid binding / Water retention capacity</b>		
<b>MB500 = 500g sample for process engineering experiments</b>		

## Products for soil improvement QX:

QX = biobased vegetable carbon, Lava rock flour, water retention capacity

BM = BioMineral, natural calcite, acid-binding QX and soil similar

FK = calcined Kaolin, compost friendly

Addition of CAPROWAX P - Masterbatches to different bioplastics: 0,5 to 4 %  
 The palette of masterbatches is changed to the eco-friendly, soil similar, calcined, pigmentlike Kaolin (FK) as a white pigment for moderate brightening.

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