Projects with CAPROWAX P Material

COLOUR PALETTE with Laboratory prototypes (LP) and technical samples of CAPROWAX P™ - Masterbatches without addition of TiO2

LP-Colour prototypes see pages 2-5: CAPROWAX P™ + shade + LP-Code

Sampling with 50 g 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-C68
Hydrophobising:	CAPROWAX P™ 6002-C65
Plasticine, modelli:ng bloc	CAPROWAX P™ 6070-C65-T215
Hydrophobising, foams, Bioreactor:	CAPROWAX P™ 6077-C65-1004
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

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Project LP-Masterbatches for translucent colouration

CAPROWAX P™	Shade chromatic	CAPROWAX P™	Shade chromatic
Red 114 T		Red Y 121 T tex	
Yellow 310 T tex		Green 427 T tex	
Green 413 T tex	MB500	Green 426 T tex	
Green AR 430 T tex	LP	Blue AR 530 T tex	LP
Blue G 511 T tex		Blue R 516 T tex	
Violet B 616 T		Violet R 617 T	
Violet B 630 T tex	LP	Violet R 635 T tex	LP

R: reddish Y: yellowish G: greenish B: bluish T: translucently

tex: suited for colouration of filaments LP: Laboratory prototype AR: acid resistant

MB500 = 500g sample for process engineering experiments

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.

Pearlescent Masterbatches mpc *LP without addition of Titanium Dioxide

Pearl Gold light 9307		Pearlescent neutral 9002	u
Pearl Gold medium 9317	#	Pearl White 9011	u
Pearl Gold dark 9314		Pearl Silver classic V 9012	#
Pearl Red 9101		Pearl Silver silky V 9016	#
Pearl Bronze 9701		Pearl Silver grey V 9014	#

= also for opaque or filled BioPolymers / u = matt pearlescent for all colours

V = vegetable carbon, biobased/LP = Laboratory prototype /mpc = matt pearlescent

Pigment mixtures are low-dusty incorporated in compostable carrier material and masterbatch pellets are added to different bioplastics: 2-4%.

Colourations of bioplastics comply the specifications of DIN EN 13432.

Project LP-Masterbatches for chromatic, covering colouration

CAPROWAX P™	Shade chromatic	CAPROWAX P™	Shade chromatic
Red FK 133 tex	LP/AR	Red FK 112	LP
Lava-Red 134 QX	LP	Red 135 BM QX	LP
Red FK 117	LP/AR	Red FK 130	LP/AR
Red FK 115	LP/AR	Red 116 lw tex	MB 500/AR
Orange FK 205	LP/AR	Orange 206 BM QX	LP
Orange FK 203	LP/AR	Orange FK 204	LP/AR
Yellow FK 312	LP/AR	Orange 204 lw tex	AR
Yellow FK 306	LP/AR	Yellow 314 BM QX	LP
Yellow FK 320	LP/AR	Yellow 307 lw tex	AR
Green 444 BM QX	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

BM: Biomineral, natural Calcium Calcite FK: Kaolin, calcined

AR = Acid resistant LP: Laboratory prototype lw = ≤ 0,1% TiO2 in coloured polymer

QX = soil improving / acid binding / Water retention capacity

MB500 = 500g sample for process engineering experiments after consultation

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.

Lava rock flour is able to remove athmospheric CO2 by weathering

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

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

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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 Vulkaneifel, Eisenoxid

V: vegetable carbon black bb = biobased BM: Biomineral, natural Calcite
FK: Kaolin, calcined AR = acid resistant tex = suited for colouration of filaments
LP: Laboratory sample wcb = with out carbon black S: heatstable 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
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