

COLOUR PALETTE with LP-Laboratory prototypes of new CAPROWAX P™ - Masterbatches without 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 |
| Hydrophobising: | CAPROWAX P™ 6077-1004 |
| Bio-Dry-Blend-NF-Composites: | CAPROWAX P 6006-65-NFxxxx with 20%, 30%, 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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Bankverbindung und Finanzamt: Auf Anfrage

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

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 |  | Green 426 T tex |  |
| Green AR 430 T tex |  | Blue AR 530 T tex |  |
| Blue G 511 T tex |  | Blue R 516 T tex |  |
| Violet B 616 T |  | Violet R 617 T |  |
| Violet B 630 T tex |  | Violet R 635 T tex |  |
| R: reddish | Y: yellowish | G: greenish | B: bluish |
| T: translucently | | LP: Laboratory prototype AR: acid resistant | |
| tex: suited for colouration of filaments | | 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.

Application projects with pearlescent pigments

For your shortlist: Coloured buttons of MB-Laboratory prototypes (LP) with CAPROWAX P™-Blends on request

| CAPROWAX P™ | Shade | CAPROWAX P™ | Shade |
|--------------------|---|--------------------|---|
| Gold 9301 |  | Gold 9302 |  |
| Silver 9001 |  | Bronze 9701 |  |
| Rot 9101 |  | | |

Addition of Pearlescent-Masterbatches to different bioplastics: 0,5-6%

Harmless, pearlescent pigments: Mica coated with TiO₂ and/or Fe₂O₃

Preferably pearlescent masterbatch Silver 9001 is additive combinable with translucent CAPROWAX P-Masterbatches to yield diverse pearlescent colouration preferably in a proportion of 2:1.

CAPROWAX P™ compostable of course



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

| CAPROWAX P™ | Shade chromatic | CAPROWAX P™ | Shade chromatic |
|---|-----------------|--------------------------|-----------------------------|
| Red FK 111 | LP | Red 112 lw | |
| Red FK 112 | LP | Red 115 BM ww | LP |
| Red FK 117 | LP | Red FK 130 | LP |
| Red FK 115 | LP | Red 116 lw tex | |
| Orange FK 205 | LP | Orange 203 BM ww | LP |
| Orange FK 203 | LP | Orange FK 204 | LP |
| | | Orange 204 lw tex | |
| Yellow FK 312 | LP | Yellow 306 BM ww | LP |
| Yellow FK 306 | LP | Yellow FK 320 | LP |
| | | Yellow 307 lw tex | |
| Green FK 441 | LP | Green 418 ww tex | |
| Green 417 ww tex | | Green 416 ww tex | |
| BM: Biomineral, natural Calcium Carbonate | | ww = TiO2 free | FK: Kaolin, calcined |
| lw = ≤ 0,1% TiO2 in coloured polymer | | LP: Laboratory prototype | |
| tex: suited for colouration of filaments | | | |
| MB500 = 500g sample for process engineering experiments after consultation | | | |
| Continuation next page >>>>>>> | | | |

Addition of **CAPROWAX P - Masterbatches** to different bioplastics: 0,5-4%
 Step by step the palette of Masterbatches will be expanded or adjusted to the ecofriendly, calcined pigmentlike Kaolin (FK) as white pigment.

With calcined Kaolin (FK) brightened colourations of different BioPlastics or BioComposites content max. 0,1 % natural TiO2. The biomineral, natural carbonate (BM), is used as a dull white pigment with gentle covering brightening.

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

Covering colouration: Injection-/ Vacuum-/ Blow-/ Compression-Moulding, Foils/Sheets, Hotmelts, NF-BioComposites, Plasticine, Film, Foams, Coating.

Project LP - Masterbatches for chromatic, covering colouration

| CAPROWAX P™ | Shade chromatic | CAPROWAX P™ | Shade chromatic |
|---|---------------------|--------------------------------------|-----------------|
| Green 444 BM ww | LP | Green AR 435 ww tex | LP |
| Green 412 lw | | Green AR 433 ww tex | LP |
| Green FK 440 | LP | Blue FK G 543 | LP |
| Blue G 509 BM ww | LP | Blue FK G 509 | LP |
| Blue G 510 lw tex | MB500 | Blue FK G 512 | LP |
| Blue R 541 BM ww | LP | Blue FK R 542 | LP |
| Violet B 636 BM ww | LP | Violet R 637 BM ww | LP |
| Violet FK B 605 | LP | Violet FK R 608 | LP |
| Violet B 607 lw tex | | Violet R 610 lw tex | |
| Violet B 606 lw tex | | Violet R 609 lw tex | |
| Brown FKV 712 bb | LP | Brown FK 705 S | LP |
| Brown FKV 709 bb tex | LP | Brown 702 lw tex | |
| | | Brown FKV 711 bb tex | LP |
| V: vegetable Carbon | bb: biobased | FK: Kaolin, calcined | ww = TiO2 free |
| BM: Biomineral, natural Calcium Carbonate | | lw = ≤ 0,1% TiO2 in coloured polymer | |
| R: reddish G: greenish B: bluish | AR = acid resistant | LP: Laboratory Prototype | |
| tex: suited for colouration of filaments | | S: heat stabel up to 220°C | |
| MB500 = 500g sample for process engineering experiments | | | |

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Project LP-Masterbatches for achromatic, covering colouration

| CAPROWAX P™ | Shade achromatic | Description |
|---|------------------|---|
| White FK 005 tex | | Kaolin, calcined |
| White C 004 BM ww | MB500 | natural Calcium Carbonate |
| Grey 821 BM ww | | natural Ca-Carbonate / Iron Oxide Black |
| Grey FK 822 | LP | Kaolin, calcined / Iron Oxide Black |
| Grey FK 824 S | LP | Kaolin calcined / Iron Oxide Black (S) |
| Grey FK V 827 bb | LP | Kaolin calcined / vegetable Carbon (tech) |
| Black 801 | | Iron Oxide Black |
| Black 803 S tex | LP | Iron Oxide Black (S) |
| Black V 804 bb | LP | vegetable Carbon (tech) |
| V: vegetable Carbon | bb: biobased | tech = technically LP: Laboratory prototype |
| FK: Kaolin, calcined | ww: TiO2 free | BM: Biomineral, natural Calcium Carbonate |
| tex = suited for colouration of filaments | | S: heat stable up to 220°C |
| MB500 = 500g sample for process engineering experiments | | |

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