

# 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 harmless, inorganic pigments with moderate, lightfast brightening without addition of Titanium Dioxide.

The carrier material is waterproof and consist of aliphatic - biodegradable MARINE, home/industrial compostable - certified polyester and modified, readily biodegradable, renewable, GMO-free plant oil.

Colourations of bioplastics comply the specifications of DIN EN 13432.



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# > COLOURATION <

## Masterbatches for translucent colouration

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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			
tex: suited for colouration of filaments    LP: Laboratory prototype    AR: acid resistant			
MB500 = 500g sample for process engineering experiments			

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

Thermoplastic application for translucent to transparent, full covering and pearlescent colouration: Processing at 90-200°C, short time up 220°C.

Pigments are biobased, bio-mineral, mineral and/or from inorganic, synthetic production.

Moderate brightening with calcined Kaolin. They are harmless, lightfast, non-migratory, temperature stable, majority insoluble in water, comparable with natural, mineral pigments, already mineralised and partially soil improving: QX see page 3.

They are low-dusty incorporated in compostable carrier material and masterbatch pellets are added to different bioplastics in a range of 0,5-4%.

## Pearlescent Masterbatches \*LP without addition of Titanium Dioxide

Matt Gold light 9307		Pearlescent neutral 9002	u
Matt Gold medium 9317	#	Pearlescent white 9011	u
Matt Gold dark 9314		Matt Silver classic V 9012	#
Red 9101		Matt Silver silky V 9016	#
Bronze 9701		Matt Silver grey V 9014	#
# = also for opaque or filled BioPolymers / u = matt pearlescent for all colours V = vegetable carbon black, biobased / *LP = Laboratory prototype			

Colourations of bioplastics comply the specifications of DIN EN 13432.

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# Masterbatches for covering colouration

CAPROWAX P™		Shades	CAPROWAX P™		Shades
Red FK 133 tex		AR	Red FK 112		LP
Lava-Red 134	QX	LP	Red FK 117		LP/AR
Orange FK 204		LP/AR	Orange FK 203		LP/AR
Orange 206 BM	QX	LP/AR	Yellow 314 BM	QX	LP/AR
Yellow FK 320		LP/AR	Yellow FK 306		LP/AR
White FK 005 tex		MB500/AR	White C 004 BM	QX	MB500
Green 416 tex			Green 417 tex		
Green FK 446 tex		LP	Green 448 tex		LP
Green FK 443 tex		LP	Green FK 440 tex		LP
Green 444 BM	QX	LP	Blue G 545 BM	QX	LP
Blue FK G 510 tex		LP	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 636 BM	QX	AR	Violet R 637 BM	QX	AR
Brown V 713 BM	QX	LP	Brown V 724 BM	QX	LP/AR
Brown FK V 709	QX	LP	Brown FK V 711	QX	LP
Lava-Brown 717	QX	LP/AR	Lava-Brown 715	QX	LP/AR
Grey 821 BM	QX		Grey FK 824 S wcb tex		LP/AR
Lava-Grey FK 833	QX	LP	Black V 804 bb	QX	AR
Lava-Black 806	QX	LP	Black 801 wcb		AR

V: vegetable Carbon, biobased    FK: Kaolin, calcined    AR = acid-stable    bb = biobased  
 BM: BioMineral, natural Calcite    QX = soil improvement    S: heat stable up to 220°C  
 R: reddish    G: greenish    B: bluish    LP: Laboratory Prototype    wcb = without carbon black

tex: suited fo filaments    MB500 = 500g sample for process engineering experiments

## Products for soil improvement and fertility QX:

- QX = Vegetable Carbon biobased, Lava rock flour, soil improvement, water retention capacity
  - BM = BioMineral, natural Calcite, acid-binding and soil similar
  - FK = Moderate brightening with the eco-friendly, soil similar, pigmentlike, Kaolin, calcined
- Addition of CAPROWAX P - Masterbatches to different bioplastics: 0,5-4%.

CO2 long-term fixation by vegetable carbon/lava rock flour

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# Your order of CAPROWAX P™ - Masterbatches

See colour palettes page 2-3: **Shades of colours + code** page 4 of 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.

**Technical samples:** For you first tests: 4 samples a 50g pellets or LP-flakes  
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.

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

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Informations, quote requests and orders at

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