CAPROWAX P Material Sale and Projects

CAPROWAX P™-Masterbatches for bioplastics / biocomposites

COLOUR PALETTE see page 3-4: CAPROWAX P™ + shade + code

Colours to get to know;	Up to 4 samples a 50 g pellets are free of charge
	For additional process engineering experiments, 500 g MB500 samples see page 3-6
Market area:	European Union
Order quantities +/- 25kg:	100 kg, 200 kg, 500 kg / batchwise manufactured by toll manufacturer
Prices:	According to offer
Payment condition:	According to offer
Delivery date:	6 – 7 weeks
Miscellaneous:	Product infos and SDS

CAPROWAX P™ Material BioMineralComposite

Injection moulding:	**CAPROWAX P™ 6006-C65-BM42030**
Testmaterial	2 kg, 100 kg minimum order
Vacuum-/Blowforming:	**CAPROWAX P™ 6006-C65-BM42100** **CAPROWAX P™ 6006-C65-BM42150**
Testmaterial	0,3 kg, 100 kg minimum order
Imitation of coloured stones, melting granules	**CAPROWAX P™ 6006-C65-BM4225**
Testmaterial	5 kg, 25 kg or more

CAPROWAX P™ customer projects

Monofiles, hotmelt, carrier:	CAPROWAX P™ 6006-00-000
Sheets, foils:	CAPROWAX P™ 6006-MT215
Hydrophobising and foams:	CAPROWAX P™ 6002-00-000 CAPROWAX P™ 6077-1004
Modeling material, plasticine, filler:	CAPROWAX P™ 6070-T215
Bio-Dry-Blend-NF-Composites:	CAPROWAX P™ 6006-C65-NFxxxx with 10-40 % content of nature fibres
Test material:	300 g in fragmented or powdered form
Miscellaneous:	Product information and SDS
Material for Projects	batchwise on request

COLOUR PALETTE of Laboratory prototypes (LP) CAPROWAX P™ - Masterbatches

See masterbatch brochure in www.caprowax-p.eu/home

New MB-Recipes (LP): Coloured buttons on request

Projekt request at info@polyfea2.de

Albrecht Dinkelaker
Polymer- and Product Development
Talstrasse 83, D 60437 Frankfurt am Main
Fon ++49 69 76893910 Mobil 0176 55 28 46 04

Banking details/Finance office: On request
VAT-No.: DE165 604 009

Current delivery list of 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	
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

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

Translucent to transparent, pearlescent or full covering colouration:
Injection- / Vacuum- / Blow- / Compression- / Melt-Moulding,
Mono-/Multifilaments, Foils/Sheets, Hotmelts, NF-BioComposites,
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.

Masterbatches for covering colouration

CAPROWAX P™	Shade chromatic	CAPROWAX P™	Shade chromatic
Red 112 lw		Red FK 112	LP
Red 116 lw tex	MB 500	Red FK 117	LP
Orange FK 204	LP	Orange FK 205	LP
Yellow 307 lw tex		Yellow FK 312	LP
White FK 005 tex		White C 004 BM ww	MB500
Green 412 lw		Green 418 ww tex	
Green 417 ww tex		Green 416 ww tex	
Blue G 510 lw tex	MB500	Blue FK G 543	LP
Blue FK G 512	LP	Blue FK R 542	LP
Violet FK B 605	LP	Violet FK R 608	LP
Violet B 607 lw tex		Violet R 610 lw tex	
Brown 702 lw tex		Brown FKV 709 bb tex	LP
Grey 821 BM ww		Grey FK 824 S	LP
Black 801		Black V 804 bb	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 LP: Laboratory Prototype

tex: suited for colouration of filaments S: heat stabel up to 220°C

MB500 = 500g sample for process engineering experiments

Addition of CAPROWAX P - Masterbatches to different bioplastics: 0,5-4%.
A brightening without Titanium Dioxide is possible. The palette of masterbatches is changed to the eco-friendly, soil-similar, calcined, pigmentlike Kaolin (FK) as white pigment. Titanium Dioxide will be used strong reduced only. The biomineral, Calcium Carbonate is used as a white pigment with gentle covering brightening.

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

Injection-/ Vacuum-/ Blow-/ Compression/ Melt-Moulding, Foils/Sheets, Filaments, Hotmelts, NF-BioComposites, Plasticine, Film, Foams, Coating