CAPROWAX PTM 6 Application:	006-C65-NF5910 Nature-Fibre-Bio-Composites,	NF-BioComposite Dry-Blend-Powder-Coating		
	Sinter- and Carrier material	Page 1 of 3		
Fon +49 (0)69 76 89 39 10	for Customer projects	Polymer and Product Development		
info(at)polyfea2.de	Product Information	Talstrasse 83		
www.caprowax-p.eu	07/2023	D 60437 Frankfurt am Main		
Physical Properties				
Physical form		rowder, extra fine-grained <500 μ m (98%)		
Cellulose content Cellulose particles d50	%	10 248		
Residual humidity	µm %	270 <4		
Softening Temperature	DSC °C	57-63		
*) Based on the biological sources of waxes different values of viscosity could be occur				
Tensile strength and elongation are dependent of temperature and stretching conditions				
Measurements make only sense with comparable process conditions and thickness of moulded or stretched articles				
Description of free flowing,				
good dosage, thermoplastic	blend-mixture of compostable binding agent CAPROWAX P 6006-C65			
NF-Bio-Composite-	(intermediate) and 10 % microcristalline cellulose			
Dry-Blend-Powder	84 % of organic carbon are biobased (calculated)			
	All components comply the specification of DIN EN 13432			
Advantages of binding agent CAPROWAX P 6006-C65	consists of aliphatic – biodegradable MARINE, home/industrial compostable – certified polyester and modified, readily biodegradable, renewable, GMO-free plant oil. Manufactured in form of powdered intermediate, comparable with			
Certificate No.: P31/029-05	CAPROWAX P [®] 6006 DIN EN 13432 tested by MFPA Weimar			
No food and feeding stuff Ecofriendly composition	GM-free, no content of starch or PLA Without content of aromatic or nitrogeneous substances Free colour design with white fibres			
Applications	NF-BioComposites, Sinter- and Carrier material, Textile coating,			
	Suited for compostable one way products			
	Bio-NFC, cups, trays, plates, decor, sandwiches, textiles Pellets for fixed bed, consumable bioreactors, sintered core material,			
	thermoplastic NatureFibre-Bio	-rrepregs moulding or other thermoforming		
		•		
NF-BioComposites with	Order of process management			
Sintering, extrusion, further	Powder scattering / dosing / c	•		
thermoplastic processing	Drying at 70-80°C by bottom			
		C / pressureless sintering at 100-160°C		
	Mold cooling at 15°C / Demold)-130°C / Cooling down <40°C		
	Calendering to Bio-NFC-Sheet	•		
	Bio-NFC thermoforming at 80-			
	-	of powder to pellets from 130 to 160°C		
Stopper /Thatmation		and in entrinel containent only		
Storage/Instruction	Avoid heat and moisture, store Do not heat melt above 90°C			
		•		

CAPROWAX P™ NF compostable of course CAPROWAX P™ 6006-C65-NF5920 NF-BioComposite

Application:	Nature-Fibre-Bio-Composites, Sinter- and Carrier material	Dry-Blend-Powder-Coating Page 2 of 3		
Fon +49 (0)69 76 89 39 10	for Customer projects	Polymer and Product Development		
info(at)polyfea2.de	Product Information	Talstrasse 83		
www.caprowax-p.eu	07/2023	D 60437 Frankfurt am Main		
Physical Properties				
Physical form	Pe	owder, extra fine-grained <500 µm (98%)		
Cellulose content	%	20		
Cellulose particles d50	μm	248		
Bulk density	g/l	428		
Residual humidity	%	<4 57 ()		
Softening Temperature	DSC °C	57-63		
*) Based on the biological sources of waxes different values of viscosity could be occur				
Tensile strength and elongation are	e dependent of temperature and str	retching conditions		
Measurements make only sense with comparable process conditions and thickness of moulded or stretched articles				
Description of free flowing,		5920 is an extra fine-grained dry-		
good dosage, thermoplastic	blend-mixture of compostable binding agent CAPROWAX P 6006-C65			
NF-Bio-Composite-	(intermediate) and 20 % microcristalline cellulose			
Dry-Blend-Powder	84,6 % of organic carbon are biobased (calculated) All components comply the specification of DIN EN 13432			
Advantages of binding agent	consists of aliphatic - biodegradable MARINE, home/industrial			
CAPROWAX P 6006-C65		ter and modified, readily biodegradable,		
	renewable, GMO-free plant oil			
6	Manufactured in form of powdered intermediate, comparable with			
Certificate No.: P31/029-05	CAPROWAX P [®] 6006 DIN EN 13432 tested by MFPA Weimar			
No food and feeding stuff	GM-free, no content of starch			
Ecofriendly composition	Without content of aromatic or nitrogeneous substances			
	Free colour design with white f	fibres		
Applications	BioComposites, Sinter- and Car	-		
	Suited for compostable one way	y products		
	Bio-NFC, cups, trays, plates, decor, sandwiches, textiles			
	Pellets for fixed bed, consuma	ble bioreactors, sintered core material,		
	thermoplastic NatureFibre-Bio			
	In pelletized form: Injection I	moulding or other thermoforming		
NF-BioComposites with	Order of process management	for Bio-NFC and Bio-WPC:		
Sintering, extrusion, further	Powder scattering / dosing / co	pating		
thermoplastic processing	Drying at 70-80°C by bottom	-		
		C / pressureless sintering at 100-160°C		
	Cooling down / Grouting at 100	-130°C / Cooling down <40°C		
	Mold cooling at 15°C / Demold			
	Calendering to Bio-NFC-Sheets			
	Bio-NFC and Bio-WPC thermof			
		of powder to pellets from 130 to 160°C		
	Injection moulding or extrusion	•		
	Dry air drying at max. 50°C			
Storage/Instruction	Avoid heat and moisture, stora	nce in onicinal containens only		
Storage/Instruction	Do not heat melt above 90°C o			

CAPROWAX P™ NF compostable of course

CAPROWAX P TM (Application:	6006-C65-NF5940 Nature-Fibre-Bio-Composites,	•		
	Sinter- and Carrier material	Page 3 of 3		
Fon +49 (0)69 76 89 39 10 info(at)polyfea2.de www.caprowax-p.eu	for Customer projects Product Information 07/2023	Polymer and Product Development Talstrasse 83 D 60437 Frankfurt am Main		
Physical Properties				
Physical form	P	owder, extra fine-grained <500 μm (98%)		
Cellulose content	%	40		
Cellulose particles d50	μm	248		
Residual humidity	%	<4		
Softening Temperature	DSC °C	57-63		
*) Based on the biological sources	of waxes different values of viscos	sity could be occur		
Tensile strength and elongation are dependent of temperature and stretching conditions				
Measurements make only sense with comparable process conditions and thickness of moulded or stretched articles				
Description of free flowing, good dosage, thermoplastic NF-Bio-Composite- Dry-Blend-Powder		based (calculated)		
Advantages of binding agent CAPROWAX P 6006-C65 Certificate No.: P31/029-05	consists of aliphatic – biodegradable MARINE, home/industrial compostable – certified polyester and modified, readily biodegradable, renewable, GMO-free plant oil. Manufactured in form of powdered intermediate, comparable with CAPROWAX P [®] 6006 DIN EN 13432 tested by MFPA Weimar			
No food and feeding stuff	GM-free, no content of starcl	·		
Ecofriendly composition	Without content of aromatic of Free colour design with white	or nitrogeneous substances		
Applications	BioComposites, Sinter- and Ca Suited for compostable one wo	arrier material, Textile coating, ay products		
	thermoplastic NatureFibre-Bio	able bioreactors, sintered core material,		
NF-BioComposites with	Order of process management	for Bio-NFC and Bio-WPC:		
Sintering, extrusion, further	Powder scattering / dosing / c	oating		
thermoplastic processing	Cooling down / Grouting at 100 Mold cooling at 15°C / Demold Calendering to Bio-NFC-Sheet Bio-NFC thermoforming at 80	C / pressureless sintering at 100-160°C D-130°C / Cooling down <40°C ding or strain <40°C rs at 100-80°C -100°C. of powder to pellets from 130 to 160°C		
Storage/Instruction	Avoid heat and moisture, stor			
	Do not heat melt above 90°C	over long time		
	DTM NIE comportable	- f		

CAPROWAX P™ NF compostable of course