CAPROWAX PT 60	06-C65-NF4010	NF-BioComposite		
Application:	Nature Fibers-Bio-Composites	, Sinter- and Carrier-Material		
	· · · · · ·	Page 1 of 3		
Customer Information:	Laboratory prototype	Albrecht Dinkelaker		
customer information:	Laboratory prototype	AIDI ECITI DIIINEIQNEI		
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		Powder <800 µm		
Fibers content	%	10		
Particles nature fibres	μm	<300		
Residual humidity	%	<4		
Apparent density	g/l	ca. 350		
Tamped density	g/l	ca. 540		
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 spreadable,	CAPROWAX P [™] 6006-C65-NF4010 is a dry-blend-mixture of			
thermoplastic NF-Composite-	compostable binding agent CAPROWAX P 6006-C65 (intermediate)			
Bio-Dry-Blend-Powder	and 10 % white cellulose fibres.			
	84,1% of organic carbon are biobased (calculated)			
	All components comply the specification of DIN EN 13432			
Advantages of binder	consists of aliphatic – biodegradable MARINE, home/industrial compostable – certified polyester and modified, readily biodegradable,			
CAPROWAX P 6006-C65				
	renewable, GMO-free plant o			
	Manufactured in form of powe	lered 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 starc	h or PLA		
Ecofriendly composition	Without content of aromatic or nitrogeneous substances			
Leothenary composition	Free colour design with white	•		
A 11 41	•			
Applications	Bio-Dry-Blend-Powder for NF-BioComposites, sintered core material			
	Bio-NFC, cups, trays, plates,			
	Pellets for fixed bed, consume	able bioreactors		
	Fibers Composite material, ther	moplastic NatureFiber-Bio-Prepregs		
	In pelletized form: Injection moulding or other thermoforming			
	Suited for compostable one w	ay products		
NF-BioComposites with	Processable under gentle cond	ition without extrusion		
•	-			
Sintering, extrusion, further	Mixing, powder scattering, dr			
thermoplastic processing	Compacting/Deaeration at 80°	C		
	Sintering at 90-160°C			
	Grouting at 100–120°C / Cool	ling down under pressure		
	Bio-NFC and Bio-WPC thermoforming at 90–160°C. Other thermoforming methods with pellets at 100–160°C like injection moulding or extrusion after thermoplastic agglomeration or			
	compounding of powder to pell			
Storage/Instruction	Avoid heat and moisture, stor			
	Do not heat melt above 90°C	over long time		
	PTM NIE compostable			

CAPROWAX P™ NF compostable of course

CAPROWAX P™ 60	06-C65-NF4020	NF-BioComposite			
Application:	Nature Fibers-Bio-Composites	, Sinter- and Carrier-Material			
		Page 2 of 3			
Customer Information:	Laboratory prototype	Albrecht Dinkelaker			
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	07/2022	D 60437 Frankfurt am Main			
	Physical Properties				
Physical form	0/	Powder <800 µm			
Fibers content Particles nature fibres	%	20 <300			
Residual humidity	µm %	<300 <4			
Apparent density	g/l	ca. 350			
Tamped density	g/l	ca. 540			
Softening Temperature	DSC °C	57-63			
*) Based on the biological sources of waxes	s different values of viscosity could be occ	ur			
Tensile strength and elongation are dependent of temperature and stretching conditions					
Measurements make only sense with compare					
Description of spreadable,	CAPROWAX P TM 6006-C65-NF4020 is a dry-blend-mixture of				
thermoplastic NF-Composite- Bio-Dry-Blend-Powder	compostable binding agent CAPROWAX P 6006-C65 (intermediate) and 20 % white cellulose fibres.				
Dio Di y Diena i owaei	84,6% of organic carbon are bi				
	All components comply the specification of DIN EN 13432				
Advantages of binder 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 Ecofriendly composition	GM-free, no content of starch or PLA Without content of aromatic or nitrogeneous substances Free colour design with white fibres				
Applications	Bio-Dry-Blend-Powder for N	-BioComposites, sintered core material			
	Bio-NFC, cups, trays, plates, decor, sandwiches, Pellets for fixed bed, consumable bioreactors Fibers Composite material, thermoplastic NatureFiber-Bio-Prepregs In pelletized form: Injection moulding or other thermoforming Suited for compostable one way products				
NF-BioComposites with	Processable under gentle conc	lition without extrusion			
Sintering, extrusion, further	Mixing, powder scattering, dr				
thermoplastic processing	Compacting/Deaeration at 80°C Sintering at 90-160°C Grouting at 100-120°C / Cooling down under pressure Bio-NFC thermoforming at 90-160°C. Other thermoforming methods with pellets at 100-160°C like injection moulding or extrusion after thermoplastic agglomeration or compounding of powder to pellets				
Storage/Instruction	-	rage in original containers only			
	Do not heat melt above 90°C	over long time			
CAPDOW/AY	PTM NE compostable	of course			

CAPROWAX P™ NF compostable of course

CAPROWAX P™ 600	06-C65-NF4040	NF-BioComposite		
Application:	Nature Fibers-Bio-Composites	, Sinter- and Carrier-Material		
	· · · ·	Page 3 of 3		
Customer Information:	Laboratory prototype	Albrecht Dinkelaker		
Fon +49 (0)69 76 89 39 10	for Customer projects	Polymer and Product Development		
info(at)polyfea2.de	Product Information	Talstrasse 83		
www.caprowa×-p.eu	07/2022	D 60437 Frankfurt am Main		
Physical Properties				
Physical form		Powder <800 µm		
Fibers content	%	40		
Particles nature fibres	μm	< 300		
Residual humidity	%	<4		
Apparent density	g/l	ca. 350		
Tamped density	ا/و	ca. 540		
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 depend				
Measurements make only sense with compar				
Description of spreadable,		F4040 is a dry-blend-mixture of		
thermoplastic NF-Composite-	compostable binding agent CAPROWAX P 6006-C65 (intermediate)			
Bio-Dry-Blend-Powder	and 40 % white cellulose fibres. 86 % of organic carbon are biobased (calculated)			
	All components comply the sp	· · ·		
Advantages of binder 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 Pº 6006 DIN EN	1 13432 tested by MFPA Weimar		
No food and feeding stuff Ecofriendly composition	GM-free, no content of starc Without content of aromatic Free colour design with white	or nitrogeneous substances		
Applications	Bio-Dry-Blend-Powder for NF	-BioComposites, sintered core material		
	Bio-NFC, cups, trays, plates,	decor, sandwiches,		
	Pellets for fixed bed, consum			
	Fibers Composite material, the	rmoplastic NatureFiber-Bio-Prepregs moulding or other thermoforming		
NF-BioComposites with	Processable under gentle conc	lition without extrusion		
Sintering, extrusion, further	Mixing, powder scattering, dr			
thermoplastic processing	Compacting/Deaeration at 80°			
····· ································	Sintering at 90-160°C			
	Grouting at 100-120°C / Coo	ling down under pressure		
	Bio-NFC thermoforming at 90	-		
		s with pellets at 100-160°C like		
	-	n after thermoplastic agglomeration or		
	compounding of powder to pel			
-				
Storage/Instruction	Avoid heat and moisture, stor Do not heat melt above 90°C	rage in original containers only over long time		
CAPROWAX P™ NF compostable of course				