

CAPROWAX P™ 6006-C1-11

Pellets

Applications: Thermoforming sheet and vacuum forming, film, blow moulding

Customer information:

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**Test material
for customer project**

Product information

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Albrecht Dinkelaker

Polymer- and product development

Blumenweg 2

D 79669 Zell im Wiesental

Physical Properties

Physical form		Pellets
Density at 23 °C	ISO 1183 g/cc	1,104
MVI at 90°C/2,16 kg	DIN 53375 cc/10 min.	2,5-3,5 *)
Softening temp. DIN EN	ISO 11358 °C (°F)	57-63 (135-145)
Vicat VST A/50	ISO 306 °C (°F)	56 (133)
Residual humidity	70°C/2h %	<0,4
Shore-Hardness D	ISO 868	54
Ash content	500°C/25 min. %	2,4-2,6

*) 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

CAPROWAX P™ 6006-C1-11 is a opaque polymer blend from aliphatic polyester, modified plant oils and natural release agent with pronounced behaviour of cristallisation, orientation and stretchability

Advantages of basic blend CAPROWAX P™ 6006

Ø 83,6%* of organic carbon from biobased resources
Total amount of organic carbon: Ø 71,1%* *) calculated
Processible w/o predrying or water conditioning

No food and feeding stuff GM-free, do content of starch or PLA

Compostable according to DIN EN 13432, up to 500 µm,
Test certificate No.P31/029-05, Bauhaus-Universität Weimar

Ecofriendly composition

Stable in use, tearproof/cold-flexibel after stretching
Without content of aromatic or nitrogenous substances

Applications

Thermoforming sheet for vacuum forming, film,
Blow moulding

Extrusion for thermoforming sheet

Plasticising at 120-100°C (248-212°F)
Die at 100-110°C (212-230°F)
Calender / chill roll with water cooling system
at 15-25°C (59-77°F)
Optional drying of pellets at 48-50°C (118-122°F)

Vacuum forming

Vacuum forming of film at 75-85°C (167-185°F)

Blow moulding

Plasticising at 120-90°C (248-194°F)
Parison die at 65-80°C (149-176°F)
Mould at 10-25°C (50-77°F)

Drying on demand

48-50°C/12h (118-122°F)

Storage/Instruction

Avoid heat and moisture, storage in original containers only
Don't heat melt above 90°C (194°F) over long time

CAPROWAX P™ compostable of course