

# CAPROWAX P™ 6006-00-000

# Pieces

Applications: Monofilaments, hot melt, binder, carrier material

## Customer information:

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Laboratory prototype for  
customer projects  
Product information  
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## Physical Properties

Physical form		Pieces
Density at 23 °C	g/cc	1,05-1,15
Softening temp. DIN EN	ISO 11358 °C (°F)	57-63 (135-145)
Residual humidity	70°C/2h %	<0,2
Vicat VST A/50	ISO 306 °C (°F)	56 (133)
Shore-Hardness D	ISO 868	54

\*) 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™ 6006-00-000 is a translucent/opaque Polymer-/Waxblend with pronounced behaviour of cristallisation and stretchability, waterproof and compostable. Products comply the specifications of DIN EN 13432

## Advantages of CAPROWAX P™ 6006

consists of aliphatic, home / industrial compostable, certified polyester and modified, readily biodegradable, renewable, GMO-free plant oil.

## \*) calculated

83,7% of organic carbon are biobased \*)

## MFPA Weimar

Test certificate: P31/029-05

The blend material is comparable with the test material CAPROWAX P® 6006 DIN EN 13432 tested by MFPA Weimar Compostable up to 500 µm

## No food or feeding stuff Ecofriendly composition

GM-free, no content of starch or PLA, no content of aromatic or nitrogenous substances. Stable in use, tearproof/cold-flexibel after stretching

## Application

Monofilamente and textile systems, hot melt, vacuum forming, blow moulding, in form of powder, carrier material

## Processing, applications:

### Extrusion

Optional drying at 48°C/12h

Feed section RT or 50-60°C (122-140°F)  
Plasticising at 120-90°C (248-194°F)

### Monofilaments

Drying commended at 48-50°C/12h(118-122°F)

Spinneret at 100-110°C (212-230°F)  
String generation in water quench or cold-air-duct, stretching in hot-air-duct at 65-80°C (149-176°F)  
Favoured range of stretching: 1:5 to 1:8

### Hotmelt adhesive

Apply melt at 90-100°C, compress/calendering, cool down

### Drying on demand

48-50°C/12h (118-122°F)

### Storage/Instruction

Avoid heat/moisture, storage in original containers only

**CAPROWAX P™ compostable of course**

