

CAPROWAX PTM 6002-00-000

Pieces

Application: Hydrophobization of water sensitive BioPolymers

Customer information:

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Testmaterial for

customer projects

Product information

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Albrecht Dinkelaker

Polymer- and product development

Talstrasse 83

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Physical Properties

Physical form			pieces
Density at 23 °C		g/cc	1,05-1,15
Softening temperature	DSC	°C (°F)	56-59 (133-138)
Residual humidity	70°C/2h	%	<0,2

*) 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 PTM 6002-00-000 is a translucent/opaque Polymer-/Waxblend for hydrophobization of water sensitive BioPolymers. Low softening temperature. All components are readily biodegradable

Advantages

CAPROWAX PTM 6002

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

*) calculated

86,2% of organic carbon are biobased *)

No food and feeding stuff

GM-free, no content of starch or PLA

Ecofriendly composition

Without content of aromatic or nitrogeneous substances

Applications

Injection moulding of water sensitive BioPolymers with addition of 10 to 30% CAPROWAX PTM 6002 to get thin-walled, water proofed products under low mould pressures. Successful composting tests under field-grown conditions, preferably in agriculture or horticulture environment

Plasticising and extrusion with different BioPolymers

At 110-180°C (230-356°F)

Drying on demand

48-50°C (118-122°F)

Storage

Avoid heat and moisture, storage in original containers only

CAPROWAX PTM compostable of course