

CAPROWAX PTM 6002-00-000

Pellets

Application: Injection moulding, Hydrophobicity

Customer information:

Fon: +49 7625 918458
info@polyfea2.de
www.caprowax-p.eu

Testmaterial for
customer projects
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		g/cc	1,05-1,15
MVI at 90°C/2,16 kg	DIN 53375	cc/10min.	4,0 - 12,0 *)
Softening temperature	DSC	°C (°F)	56-59 (133-138)
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 PTM 6002-00-000 is a translucent/opaque polymerblend based on aliphatic polyester and modified vegetable oils with pronounced crystallisation and stretching
Low softening temperature
All components are readily biodegradable

Advantages

Ø 86,2%* of organic carbon from biobased resources
Total amount of organic carbon: Ø 71,7%*

*) calculated

Injection moulding to thin-walled products under low mould pressures w/o pre-drying or water conditioning, water proofed stable in use, cold-flexibel with quickly mould cooling, Successful composting under field-grown conditions

No food and feeding stuff Ecofriendly composition

GM-free, no content of starch or PLA
Without content of aromatic or nitrogeneous substances

Applications

Injection moulding of products like container, plant pots, cans, buttons with preferably wall thickness at 0,5 - 1,0 mm
Suitable for compostable one-way-products, preferably in agriculture or horticulture environment

Injection moulding

Feed section RT or 50-60°C (122-140°F)
Plasticising at 150-130°C (302-266°F)
Die temperature at 120-140°C (248-284°F)
Cooled mould at 10- 15°C (50-59°F)
Don't heat melt above 90°C (194°F) over long time

Drying on demand

48-50°C (118-122°F)

Storage

Avoid heat and moisture, storage in original containers only

CAPROWAX PTM compostable of course