

CAPROWAX P™ 6006-11-000 Granulat

Biodegradable Polymers

POLYFEA

Message:

The new biodegradable material system is particularly suited for the cycle of matter for use in agriculture, horticulture, landscaping, nursery, viniculture, greenhouse, floristic and forestry.

Products made of CAPROWAX P™:

Slow decomposition in soil, quick decomposition in compost into organic substances, carbon dioxide and water. Product surfaces are cleaning by them self with water or rain just like lotus flowers. CAPROWAX P™ is composed of polymers and waxes, which are permitted in partitions of food packaging.

Further information on request.

CAPROWAX P™- materials are processible like plastics and contain nevertheless by the majority parts of renewable materials. The processing without pre-drying under moderate temperatures, low shear rates and pressures is especially suited nature fabrics and heat-sensitive additives. The stability against water/mildewing and the balanced mixture of stable in use, composting and rotting is exemplary.

The recipes of CAPROWAX P™- Compounds are granted by european patent office. They consist of mixtures from aliphatic polyester and modified herbal triglycerides

General Information			
Filler / Reinforcement	Carbon Powder,71% Filler by Weight		
Features	Aliphatic		
	Biodegradable		
	Compostable		
	Crystalline		
	Good Stretchability		
	Renewable Resource Content		
Agency Ratings	EN 13432		
Appearance	Opaque		
Forms	Granules		
Processing Method	Blow Molding		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Density	1.05 to 1.15	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (90°C/2.16 kg)	2.50 to 10.0	cm ³ /10min	ISO 1133
Ash Content ¹	2.4 to 2.6	%	
Blow Molding Temperature	80 to 150	°C	
Softening Range	57 to 63	°C	DSC
Thermoforming Molding Temperature	75 to 85	°C	
Residual Moisture Content ²	< 0.40	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	54		ISO 868
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	56.0	°C	ISO 306/A50

Extrusion	Nominal Value	Unit
Drying Temperature	48.0 to 50.0	°C
Melt Temperature	100 to 120	°C
NOTE		
1.	500°/25 min	
2.	60 min/90°C	

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