

BIOPLAST® TPS®

Thermoplastic

BIOTEC GmbH & Co. KG

Message:

BIOPLAST TPS® is BIOTEC's trademark for a pure thermoplastic starch material.

BIOPLAST TPS® has special properties compared to conventional plastics. BIOPLAST TPS® has a very good permeability for water vapour and at the same time excellent barrier properties for oxygen and carbon dioxide.

BIOPLAST TPS® is available as cylindrical granule and can be processed solely as well as being blended with other polymers.

BIOPLAST TPS® is manufactured of pure food ingredients and can be produced according to the hygienic requirements for food production.

Due to its composition, BIOPLAST TPS® is edible, digestible, water soluble and completely biodegradable.

General Information			
Features	Biodegradable		
	Edible		
	Foamable		
	Gas Barrier		
	Moisture Barrier		
	Oxygen Barrier		
	Water Soluble		
Uses	Food Packaging		
	Support Trays		
Agency Ratings	EU 67/548/EEC		
Forms	Granules		
Physical	Nominal Value	Unit	Test Method
Density	1.30 to 1.50	g/cm ³	ISO 1183/A
Apparent Density	0.80 to 0.86	g/cm ³	ISO 60
Particle Size	2.00 to 3.00	mm	
Water Content	2.5 to 4.5	%	Internal Method

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