

# BioBatch 1851

Biodegradable Polymers

TechnoCompound GmbH

## Message:

TechnoCompound GmbH offers highly flexible biodegradable compounds under the name BioBatch. These polymers consist of biopolymers and special additives that are certified in accordance with DIN EN 13432 as well as ASTM D6400 by DIN CERTCO. Typical applications are garden and agricultural films, garbage bags, hygiene and packaging films.

BioBatch 1851 and 1852 are composed of bio-based as well as fossil raw materials. Both products are suitable for printing without pre-treatment, for welding and bonding. Of course, BioBatch compounds may also be dyed.

BioBatch compounds can be processed on standard extrusion lines. Film lines processing PE-LD or PE-LLD can be switched to BioBatch without any modifications. Due to their compatibility with polyethylene changeovers do not require an interruption of the production process. Only a fine-tuning of the temperature profiles may be required.

General Information		
Additive	Unspecified additive	
Features	Good Printability	
	High Flexibility	
	Updatable resources	
	Weldable	
	Biodegradable	
Uses	Packaging	
	Films	
	Bags	
	Agricultural application	
	Bonding	
Agency Ratings	ASTM D 6400	
	DIN EN 13432	
Processing Method	Film extrusion	
	Extrusion	
Physical	Nominal Value	Unit
Density	1.39	g/cm <sup>3</sup>
Melt Mass-Flow Rate (MFR)	3.5	g/10 min
Hardness	Nominal Value	Unit
Durometer Hardness (Shore D)	47	
Mechanical	Nominal Value	Unit
Tensile Stress		
Yield	13.0	MPa
--	20.0	MPa

Tensile Strain		
Yield	19	%
Fracture	450	%
Injection	Nominal Value	Unit
Residual Moisture Content		%

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