

## Contents

### 2. BIOPLAST 800

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## Preliminary Data Sheed BIOPLAST 800

Properties					
Parameters			Target Value	Unit	Descriptions
Material Density			2	g/cm <sup>3</sup>	EN ISO 1183
MFR (160°C, 5 kg)			5.2	g/10 min	EN ISO 1133 (160 °C, 5 kg)
MFR (190°C, 5 kg)			11	g/10 min	EN ISO 1133 (190 °C, 5 kg)
Moisture Content			< 0,15	weight %	Biotec test directive based on EN ISO 15512
Biobased carbon share			> 60	%	ASTM D6866 or ISO 16620-2 (TC)
Mechanical Properties					
Parameters			Target Value	Unit	
Strain	at	strength	2	%	Charpy impact strength average
Thickness			245	µm	Flexural modulus
Tear resistance			1501	mN	Flexural stress at break
Tear resistance			153	g	Flexural strain at break
Tear	resistance		1	g/µm	Flexural stress at conventional deflection
Tear resistance			6	KJ/m²	Flexural strength
Oblique tear			0	%	Flexural strain at flexural strength
Thickness			245	µm	Tensile modulus
Tear resistance			1610	mN	Stress at yield
Tear resistance			164	g	Strain at yield
Tear resistance			1	g/µm	Stress at break
Tear resistance			7	KJ/m²	Nominal strain at break
Oblique tear			0	%	Strain at break
Heat deflection temperature (HDT)			65	°C	Strength
Compostable Certification					
Certification			Target Value	Unit	Standart
OK Compost INDUSTRIAL			275	µm	EN 13432
OK compost HOME			n/a	µm	Certification program of TUV Austria

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