

## 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	Parameters		Target Value	Unit
Strain at strength			2	%	Charpy impact strength average		2	kJ/m <sup>2</sup>
Thickness			245	μm	Flexural modulus		7441	MPa
Tear resistance			1501	mN	Flexural stress at break		76	MPa
Tear resistance			153	g	Flexural strain at break		2	%
Tear resistance			1	g/μm	Flexural stress at conventional deflection		6	MPa
Tear resistance			6	KJ/m <sup>2</sup>	Flexural strength		77	MPa
Oblique tear			0	%	Flexural strain at flexural strength		2	%
Thickness			245	μm	Tensile modulus		6271	MPa
Tear resistance			1610	mN	Stress at yield		n/a	MPa
Tear resistance			164	g	Strain at yield		n/a	%
Tear resistance			1	g/μm	Stress at break		47	MPa
Tear resistance			7	KJ/m <sup>2</sup>	Nominal strain at break		n/a	%
Oblique tear			0	%	Strain at break		2	%
Heat deflection temperature (HDT)			65	°C	Strength		47	MPa
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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