

Contents

2. BIOPLAST 800

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Preliminary Data Sheed BIOPLAST 800

Properties							
Parameters			Target Value	Unit	Descriptions		
Material Density			2	g/cm ³	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 ²
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 ²	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 ²	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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