

MATERIAL DATA SHEET PLA PRO+

DESCRIPTION

PLA PRO+ is made from a renewable biodegradable biocompound.

APPLICATION

Biocompounds with high impact resistance and a matte surface are suitable for industrial use, rapid prototyping, architecture, food applications, toys and outdoor novelties.

STORAGE AND SHELF LIFE

Store at room temperature (18-27°C / 65-80°F), out of direct heat and sunlight, and in a dry place. When stored correctly, this material has a shelf life of 1 year.

PROPERTIES

TEST	METHOD	UNIT	VALUE
Flexural modulus	ISO 527	MPa	2650
Tensile strength	ISO 527	MPa	49
Breaking stress	ISO 527	%	3,5
Breaking stress	ISO 527	Mpa	23
Elongation at break	ISO 527	%	19
E-Modulus	ISO 178	Mpa	2650
3,5% Izod impact strength	ISO 178	Mpa	64
Notched impact strength	ISO 179-1/1 eA	kJ/m ²	7,5
MFR	ISO 1133	g/10 min	3,5
Melting Temperature	ISO 3146-C	C°	150-170
VICAT A (VST)	ISO 306	C°	60
HDT / B		C°	
Shrinking	ISO 294-4	%	0,3
Density	ISO 1183	g/cm ³	1,3

VISUAL QUALITY	HIGH TEMPERATURE RESISTANCE	LAYER
ADHESION		
9	4	8

IMPACT RESISTANCE	ELONGATION AT BREAK	MAXIMUM
STRESS		
7	5	7

EASE OF PRINTING
9