



Impact Modified

PLA-HI is modified with impact modifier that makes it more impact resistant rather than most other standard PLA on the market

Easy Printing

PLA-HI has good adhesion to many different build platforms. For high quality printing, we recommend to use a heated bed at 60°C

Smooth Surfaces

OWA PLA-HI gives the ability to build high precision objects with smooth surfaces and excellent impact resistance.

Ø 1.75 mm
Ø 2.85 mm



Product Information	Units	Method	Result
Printing Temperature	[°C]	-	200 - 220
Platform Temperature	[°C]	-	50 - 60
Printing Speed	[mm/s]	-	40 - 150
Maximum temperature usage	[°C]	-	TBC
Physical & Mechanical Properties	Units	Method	Result
Density	[g/cm ³]	Iso 1183	1.24
Melting point	[°C]	-	145 - 160
Glass transition point	[°C]	-	55 - 60
Tensile Modulus	[Mpa]	ASTM D638	2440
Tensile Stress at break	[Mpa]	ASTM D638	40
Elongation at break	[%]	ASTM D638	8 - 13
Unnotched Charpy Impact Strength	[kJ/m ²]	ISO 179	80
Hardness, Shore D	[-]	ISO 868	79.5
Other Information	Unit	Norms	Result
Food contact	-	EN10/2011	TBC
Toy	-	EN73-1	TBC
Electronic	-	RoHS	TBC

A3DP-R&D-001 - Technical Data Sheet

Made the	19/12/2016	Made by	NM
Revised the	-	Approved by	NM
Version n°	B	Printed the	19/12/2016