



TECHNICAL DATA SHEET

DURAPRO ABS

1. DESCRIPTION

DuraPro ABS has been specially developed for industrial applications and is characterised by its high process reliability. It is ideal for the production of mechanically highly stressed components. The material is electrically insulating. DuraPro ABS is optimised for good layer adhesion, thermal stability, better flow properties and low warping. The raw material is approved according to REACH, RoHS and FDA standards.

2. FEATURES

- For industrial applications
- Flame retardant according to UL 94 HB
- Electrically insulating
- High mechanical stability
- Low shrinking and warping
- Excellent layer and bed adhesion

3. PROPERTIES

TEST	METHOD	UNIT	VALUE
Flexural modulus (E-Modulus)	ASTM D790	MPa	2550
Flexural strength	ASTM D790	MPa	78
Tensile modulus (E-Modulus)	ASTM D638	MPa	2350
Tensile strength	ASTM D638	MPa	49
Elongation at yield	ASTM D638	%	5
Nominal elongation at break	ASTM D638	%	10
Notched impact strength	ASTM D256	kJ/m ²	220 / 23°C
Notched impact strength	ASTM D256	kJ/m ²	90 / -30°C
VICAT A (VST)	ASTM D1525	°C	92*
Melting temperature	ISO 3146-C	°C	180-200
MFR	ASTM D1238	g/cm ³	21
HDT/B	ASTM D648	°C	85
Shrinking	ASTM D955	%	0,4
Density	ASTM D792	g/cm ³	1.06
Hardness Rockwell	ASTM D785	R-Skala	110
Flammability	UL94	HB	-

PRINT SETTINGS

Nozzle	220-250°C
Heatbed	100-110°C
Adhesive	recommended
Speed	20-100mm/s
Cooling	0-50%
Open Space	yes
Hardened Nozzle	nein

*Temperature resistance tested at a minimum wall thickness of 4 mm.

Recommended settings for printers with a 0.4mm Nozzle. Max. 50% layerheight. Optimal print settings may vary between different printers and also depend on environmental factors.



NEED HELP?

If you have any question about the product and/or you are experiencing an issue, please contact us via:

+43 660 8810 615 (Mo–Fr | 8 am - 14 pm)

support@extrudr.com | www.extrudr.com

5. CERTIFICATIONS & ADDITIONAL INFORMATION



Certifications depend on colors in final product. More info in the additional information sheet.

6. STORAGE AND SHELF LIFE

Store in a dry room at room temperature (18-27°C / 65-80°F). Keep out of direct heat and sunlight. When stored correctly, this material has a shelf life of 2 years. Additional info in our regulatory, additional information and chemical resistance data sheets.