



TECHNICAL DATA SHEET

DURAPRO ASA GF

1. DESCRIPTION

DuraPro ASA GF is a weather-resistant and UV-resistant copolymer for industrial applications, characterized by high process reliability. The material is reinforced with glass fibers, making it ideal for mechanically stressed components. DuraPro ASA GF is optimized for good adhesion layer, thermal stability, improved flow properties, and low warping. The raw material complies with REACH and RoHS standards.

2. FEATURES

- Fiberglass composite material for performance applications
- UV and weather resistant
- Matte surface
- High stiffness
- Good heat resistance
- Low distortion

3. PROPERTIES

TEST	METHOD	UNIT	VALUE	PRINT SETTINGS	
Flexural modulus	ASTM D790	MPa	3500 ±200	Nozzle	230-270°C
Tensile modulus	ASTM D790	MPa	3520 ±200	Heatbed	110°C
Tensile strength	ASTM D638	MPa	59,8 ±3	Adhesive	recommended
Flexural strength	ASTM D638	MPa	91,2 ±3	Speed	<180mm/s
Elongation at yield	ASTM D638	%	3%	Cooling	0-30%
Nominal elongation at break	ASTM D638	%	8% -0,02	Enclosed space	yes
Notched impact strength	ASTM D256	kJ/m ²	88	Hardened nozzle	recommended
Unnotched impact strength	ASTM D256	kJ/m ²	16	Max. Volumetric Speed	12 mm ³ /s
VICAT A (VST)	ASTM D1525	°C	101	<p>Recommended settings for printers with a 0.5 mm nozzle. Max. 50% layerheight. Optimal print settings may vary between different printers and also depend on environmental factors.</p>	
Melting temperature	ISO 3146-C	°C	190-210		
MFR	ASTM D1238	g/cm ³	12		
HDT/B	ASTM D648	°C	99		
Shrinking	ASTM D955	%	0,30%		
Density	ASTM D792	g/cm ³	1,1		
Hardness Rockwell	ASTM D785	R-Scale	110		
Flammability	UL94	HB	1,5 mm		

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

4. CERTIFICATIONS & ADDITIONAL INFORMATION



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

5. 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.