



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
Density	ISO 1183	g/cm ³	1,18	Nozzle 230-270°C
Mold Shrinkage (3.2 mm)	ISO 294-4	%	0,25-0,4	Heatbed 110°C
Melt Flow Rate (220 °C/10 kg)	ISO 1133	g/10min	13-16	Adhesive recommended
Tensile Strength at Yield	ISO 527	MPa	60-66	Speed <180mm/s
Tensile Elongation at Break	ISO 527	%, (Min)	5-8	Cooling 0-30%
Flexural Strength	ISO 178	MPa	95-105	Enclosed space yes
Flexural Modulus	ISO 178	MPa	2900-3300	Hardened nozzle yes
Izod Impact Strength (23 °C)	ISO 180/1A	kJ/m ²	9-11	Max. Volumetric Speed 12 mm ³ /s
Charpy Impact Strength (23 °C)	ISO 179/1eA	kJ/m ²	8-10	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.
HDT (4mm, Unannealed)	ISO 75	°C	92-100	
Vicat (50 N)	ISO 306	°C	100-104	
Flammability	UL 94	HB	1,5mm	

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.