



# 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
Modulo di flessione	ASTM D790	MPa	3500 ±200	Nozzle 230-270°C
Modulo di trazione	ASTM D790	MPa	3520 ±200	Heatbed 110°C
Resistenza alla trazione	ASTM D638	MPa	59,8 ±3	Adhesive recommended
Resistenza alla flessione	ASTM D638	MPa	91,2 ±3	Speed <180mm/s
Allungamento a rendimento	ASTM D638	%	3%	Cooling 0-30%
Allungamento nominale alla rottura	ASTM D638	%	8% -0,02	Enclosed space yes
Resistenza all'urto intagliato	ASTM D256	kJ/m <sup>2</sup>	88	Hardened nozzle yes
Resistenza all'urto non intagliato	ASTM D256	kJ/m <sup>2</sup>	16	Max. Volumetric Speed 12 mm <sup>3</sup> /s
VICAT A (VST)	ASTM D1525	°C	101	
Temperatura di fusione	ISO 3146-C	°C	190-210	
MFR (Indice di fluidità)	ASTM D1238	g/cm <sup>3</sup>	12	
HDT/B	ASTM D648	°C	99	
Ritiro	ASTM D955	%	0,30%	
Densità	ASTM D792	g/cm <sup>3</sup>	1,1	
Durezza Rockwell	ASTM D785	R-Scale	110	
Infiammabilità	UL94	HB	1,5 mm	

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.

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.