

Celanyl® A2 HH GF40 NC 1102/1

Polyamide 66

Celanese Corporation

PROSPECTOR®

www.ulprospector.com

Technical Data

Product Description

40% Glass Reinforced, Heat Stabilized, PA66

General

Material Status • Commercial: Active

Literature ¹ • [Technical Datasheet](#)

Search for UL Yellow Card • [Celanese Corporation](#)
• [Celanyl®](#)

Availability • Africa & Middle East • Europe • North America
• Asia Pacific • Latin America

Filler / Reinforcement • Glass Fiber

Physical

	Nominal Value Unit	Test Method
Density	1.46 g/cm ³	ISO 1183

Mechanical

	Nominal Value Unit	Test Method
Tensile Strength (Yield, 23°C)	197 MPa	ASTM D638
Tensile Elongation (Break, 23°C)	2.0 %	ASTM D638
Flexural Modulus (23°C)	13100 MPa	ASTM D790
Flexural Strength (23°C)	297 MPa	ASTM D790

Impact

	Nominal Value Unit	Test Method
Notched Izod Impact (23°C)	120 J/m	ASTM D256

Thermal

	Nominal Value Unit	Test Method
Deflection Temperature Under Load		
0.45 MPa, Unannealed	260 °C	ISO 75-2/B
1.8 MPa, Unannealed	249 °C	ISO 75-2/A

Injection

	Nominal Value Unit
Drying Temperature	80 to 90 °C
Drying Time	4.0 to 8.0 hr
Suggested Max Moisture	0.15 %
Rear Temperature	260 to 270 °C
Middle Temperature	265 to 275 °C
Front Temperature	275 to 285 °C
Injection Zone 4 Temperature	275 to 290 °C
Nozzle Temperature	285 to 300 °C
Processing (Melt) Temp	280 to 295 °C
Mold Temperature	60 to 80 °C
Hot Runner	285 to 300 °C

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.



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Where to Buy

Supplier

Celanese Corporation

Florence, Florence USA

Telephone: 800-833-4882

Web: <https://www.celanese.com/>

Distributor

Amco Polymers

Telephone: 800-262-6685

Web: <http://www.amcopolymers.com/>

Availability: North America

RESINEX Group

RESINEX is a Pan European distribution company. Contact RESINEX for availability of individual products by country.

Telephone: +32-14-672511

Web: <http://www.resinex.com/>

Availability: Europe

SNETOR

SNETOR is a Pan European distribution company. Contact SNETOR for availability of individual products by country.

Telephone: +33-1-4904-8888

Web: <http://www.snetor.com/>

Availability: Bulgaria, Croatia, Czech Republic, France, Hungary, Poland, Romania, Serbia, Slovakia, Slovenia

