

# Celanyl® A2 H GF30 NC 1102/E

Polyamide 66

Celanese Corporation

PROSPECTOR®

www.ulprospector.com

## Technical Data

### Product Description

PA66, 30% glass fibre reinforced, heat stabilized  
Car industry, Household appliances, Electrical devices.

### General

Material Status	• Commercial: Active
Literature <sup>1</sup>	• <a href="#">Technical Datasheet</a>
Search for UL Yellow Card	• <a href="#">Celanese Corporation</a> • <a href="#">Celanyl®</a>
Availability	• Africa & Middle East • Asia Pacific • Europe • Latin America • North America
Filler / Reinforcement	• Glass Fiber

Physical	Nominal Value Unit	Test Method
Density	1.37 g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage		ISO 294-4
Across Flow	0.50 %	
Flow	0.30 %	
Water Absorption		ISO 62
Saturation, 23°C	5.0 %	
Equilibrium, 23°C, 50% RH	0.70 %	

Mechanical	Nominal Value Unit	Test Method
Tensile Modulus	8200 MPa	ISO 527-1
Tensile Stress (Break)	130 MPa	ISO 527-2/5
Tensile Strain (Break)	3.0 %	ISO 527-2/5
Flexural Modulus (23°C)	7500 MPa	ISO 178

Impact	Nominal Value Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0 kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	35 kJ/m <sup>2</sup>	ISO 179/1eU
Notched Izod Impact Strength (23°C)	6.0 kJ/m <sup>2</sup>	ISO 180/1A

Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load		
0.45 MPa, Unannealed	255 °C	ISO 75-2/B
1.8 MPa, Unannealed	250 °C	ISO 75-2/A

Flammability	Nominal Value Unit	Test Method
Flame Rating		UL 94
0.8 mm	HB	
1.6 mm	HB	
3.2 mm	HB	

## Notes

<sup>1</sup> 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.

<sup>2</sup> 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

