

Celanyl® A3 GF35 NC 1102/X

Polyamide 66

Celanese Corporation

PROSPECTOR®

www.ulprospector.com

Technical Data

Product Description

PA66, 35% glass fibre reinforced, improve fluidity.
Car industry, Household appliances, Electrical devices.

General

Material Status	• Commercial: Active
Search for UL Yellow Card	• Celanese Corporation • Celanyl®
Availability	• Africa & Middle East • Asia Pacific • Europe • Latin America • North America
Filler / Reinforcement	• Glass Fiber

Physical	Nominal Value Unit	Test Method
Density	1.41 g/cm ³	ISO 1183
Molding Shrinkage		ISO 294-4
Across Flow	0.60 %	
Flow	0.30 %	
Water Absorption		ISO 62
Saturation, 23°C	5.2 %	
Equilibrium, 23°C, 50% RH	1.4 %	
Mechanical	Nominal Value Unit	Test Method
Tensile Modulus	11000 MPa	ISO 527-1/1A
Tensile Stress (Break)	195 MPa	ISO 527-2/1A/5
Tensile Strain (Break)	2.9 %	ISO 527-2/1A/5
Flexural Modulus (23°C)	10000 MPa	ISO 178
Impact	Nominal Value Unit	Test Method
Charpy Notched Impact Strength (23°C)	14 kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	70 kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength (23°C)	13 kJ/m ²	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
Electrical	Nominal Value Unit	Test Method
Electric Strength	21 kV/mm	IEC 60243-1
Comparative Tracking Index ²	500 V	IEC 60112
Flammability	Nominal Value Unit	Test Method
Flame Rating		UL 94
0.40 mm	HB	
0.8 mm	HB	
1.6 mm	HB	
3.2 mm	HB	

Notes

¹ Typical properties: these are not to be construed as specifications.

² 50 drops



Celanyl® A3 GF35 NC 1102/X

Polyamide 66

Celanese Corporation

PROSPECTOR®

www.ulprospector.com

Where to Buy

Supplier

Celanese Corporation

Florence, Florence USA

Telephone: 800-833-4882

Web: <http://www.celanese.com/engineered-materials>

Distributor

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 Distribution

SNETOR Distribution 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

