

Technical Data

Product Description

PA66, 60% glass fibre -High rigidity-Excellent fluidity and surface aspect
Car industry, Household appliances, Electrical devices.

General

Material Status	• Commercial: Active
Literature ¹	• Technical Datasheet
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	1.68 g/cm ³	ISO 1183
Molding Shrinkage		ISO 294-4
Across Flow	0.40 %	
Flow	0.20 %	
Water Absorption		ISO 62
Saturation, 23°C	3.2 %	
Equilibrium, 23°C, 50% RH	0.80 %	
Mechanical	Nominal Value Unit	Test Method
Tensile Modulus	20500 MPa	ISO 527-1
Tensile Stress (Break)	245 MPa	ISO 527-2/5
Tensile Strain (Break)	2.3 %	ISO 527-2/5
Flexural Modulus (23°C)	16500 MPa	ISO 178
Impact	Nominal Value Unit	Test Method
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	250 °C	ISO 75-2/B
1.8 MPa, Unannealed	240 °C	ISO 75-2/A
Electrical	Nominal Value Unit	Test Method
Electric Strength ³ (23°C)	22 kV/mm	IEC 60243-1
Flammability	Nominal Value Unit	Test Method
Flame Rating		UL 94
0.8 mm	HB	
1.6 mm	HB	
3.2 mm	HB	

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.

³ AC



Celanyl® A3 GF60 BK 9005/N

Polyamide 66

Celanese Corporation

PROSPECTOR®

www.ulprospector.com

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

