

Celanyl® A3 H J10 GF13 NC 1102/E

Polyamide 66

Celanese Corporation

PROSPECTOR®

www.ulprospector.com

Technical Data

Product Description

PA66, 13% glass fibre reinforced, good impact, thermal stabilized.
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
Additive	• Impact Modifier
Features	• Good Heat Resistance • Impact Modified
Forms	• Granules
Processing Method	• Injection Molding

Physical	Nominal Value Unit	Test Method
Density	1.20 g/cm ³	ISO 1183
Molding Shrinkage		ISO 294-4
Across Flow	1.4 %	
Flow	1.2 %	
Water Absorption		ISO 62
Saturation, 23°C	6.0 %	
Equilibrium, 23°C, 50% RH	1.0 %	

Mechanical	Nominal Value Unit	Test Method
Tensile Modulus	4900 MPa	ISO 527-1/1A
Tensile Stress (Break)	95.0 MPa	ISO 527-2/1A/5
Tensile Strain (Break)	5.0 %	ISO 527-2/1A/5
Flexural Modulus (23°C)	4100 MPa	ISO 178

Impact	Nominal Value Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.5 kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	60 kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength (23°C)	9.5 kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength (23°C)	> 50 kJ/m ²	ISO 180/1U

Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load		ISO 75-2/A
1.8 MPa, Unannealed	238 °C	
Melting Temperature ²	265 °C	ISO 11357-3

Electrical	Nominal Value Unit	Test Method
Comparative Tracking Index ³	500 V	IEC 60112

Flammability	Nominal Value Unit	Test Method
Flame Rating		UL 94
0.8 mm	HB	
3.2 mm	HB	
Glow Wire Flammability Index		IEC 60695-2-12
0.8 mm	650 °C	
3.2 mm	650 °C	

Notes

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

² 20°C/min

³ 50 drops



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Where to Buy

Supplier

Celanese Corporation

Florence, Florence USA

Telephone: 800-833-4882

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

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 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

