

Celanyl® A3 HH J10 GF13 NC 1102/E

Polyamide 66

Celanese Corporation

PROSPECTOR®

www.ulprospector.com

Technical Data

Product Description

PA66 13% glass fibre, elastomer modified, high heat aging resistant
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
Additive	• Impact Modifier
Features	• Impact Modified
Multi-Point Data	• Isothermal Stress vs. Strain (ISO 11403-1) • Secant Modulus vs. Strain (ISO 11403-1)

Physical	Dry	Conditioned	Unit	Test Method
Density	1.20	--	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow	0.70 to 0.90	--	%	
Flow	0.40 to 0.60	--	%	
Water Absorption				ISO 62
Saturation, 23°C	6.2	--	%	
Equilibrium, 23°C, 50% RH	1.7	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	5200	3000	MPa	ISO 527-1
Tensile Stress (Break)	110	70.0	MPa	ISO 527-2/5
Tensile Strain (Break)	5.0	> 10	%	ISO 527-2/5
Flexural Modulus (23°C)	4900	2700	MPa	ISO 178
Flexural Stress (23°C)	175	95.0	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	12	20	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	70	> 80	kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength (23°C)	10	--	kJ/m ²	ISO 180/1A
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				ISO 75-2/A
1.8 MPa, Unannealed	235	--	°C	
Melting Temperature ³	262	--	°C	ISO 11357-3
Flammability	Dry	Conditioned	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 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 20°C/min



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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

