

# Celanyl® A3 H GF25 BK 9005/2

Polyamide 66

Celanese Corporation

PROSPECTOR®

www.ulprospector.com

## Technical Data

### Product Description

Polyamide 66 compound, 25% glass fiber reinforced, heat stabilized.  
General purpose grade for any technical use.

### 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
Features	• Good Heat Resistance
Forms	• Granules
Processing Method	• Injection Molding

Physical	Dry	Conditioned	Unit	Test Method
Density	1.31	--	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow	0.70 to 1.0	--	%	
Flow	0.40 to 0.70	--	%	
Water Absorption				ISO 62
Saturation, 23°C	7.1	--	%	
Equilibrium, 23°C, 50% RH	2.0	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	8000	5000	MPa	ISO 527-1/1A
Tensile Stress (Break)	140	90.0	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	3.5	6.0	%	ISO 527-2/1A/5
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.5	10	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	65	70	kJ/m <sup>2</sup>	ISO 179/1eU
Notched Izod Impact Strength (23°C)	7.0	--	kJ/m <sup>2</sup>	ISO 180/1A
Hardness	Dry	Conditioned	Unit	Test Method
Ball Indentation Hardness <sup>2</sup>	170	--	MPa	ISO 2039-1
Thermal	Dry	Conditioned	Unit	Test Method
Melting Temperature <sup>3</sup>	265	--	°C	ISO 11357-3
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (1.6 mm)	HB	--		UL 94

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> 30s

<sup>3</sup> 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

##### 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

