

# Ecomid® A H GF15 BK 9004/2

Polyamide 66

Celanese Corporation

**PROSPECTOR®**

www.ulprospector.com

## Technical Data

### Product Description

Polyamide 6.6 compound for injection moulding, 15% glass fibres reinforced. <sup>Å</sup> Based on recycled polymers. Suitable for various technical applications, this grade shows a good combination of mechanical and thermal performances.

### General

Material Status	• Commercial: Active
Literature <sup>1</sup>	• <a href="#">Technical Datasheet</a>
Search for UL Yellow Card	• <a href="#">Celanese Corporation</a>
Availability	• Africa & Middle East • Asia Pacific • Europe • Latin America • North America
Filler / Reinforcement	• Glass Fiber
Recycled Content	• Yes
Forms	• Granules
Processing Method	• Injection Molding

Physical	Dry	Conditioned	Unit	Test Method
Density	1.23	--	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow	0.80 to 1.2	--	%	
Flow	0.40 to 0.80	--	%	
Water Absorption				ISO 62
Saturation, 23°C	7.2	--	%	
Equilibrium, 23°C, 50% RH	2.0	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	5700	4000	MPa	ISO 527-1
Tensile Stress (Break)	100	70.0	MPa	ISO 527-2/5
Tensile Strain (Break)	2.0	7.0	%	ISO 527-2/5
Flexural Modulus (23°C)	4500	--	MPa	ISO 178
Flexural Stress at Max. Force	140	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.0	5.0	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	30	> 50	kJ/m <sup>2</sup>	ISO 179/1eU
Notched Izod Impact Strength (23°C)	3.5	--	kJ/m <sup>2</sup>	ISO 180/1A
Thermal	Dry	Conditioned	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
Melting Temperature <sup>3</sup>	265	--	°C	ISO 11357-3

### Notes

<sup>1</sup> 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.

<sup>2</sup> Typical properties: these are not to be construed as specifications.

<sup>3</sup> 20°C/min



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### Where to Buy

#### Supplier

##### Celanese Corporation

Florence, Florence USA

Telephone: 800-833-4882

Web: <https://www.celanese.com/>

#### Distributor

##### 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

