

Ecomid® B GF20 BK 9005/1

Polyamide 6

Celanese Corporation

PROSPECTOR®

www.ulprospector.com

Technical Data

Product Description

20% Glass Reinforced, Utility Grade, PA6

General

Material Status	• Commercial: Active
Literature ¹	• Technical Datasheet
Search for UL Yellow Card	• Celanese Corporation
Availability	• Africa & Middle East • Asia Pacific • Europe • Latin America • North America
Filler / Reinforcement	• Glass Fiber
Recycled Content	• Yes

Physical	Nominal Value Unit	Test Method
Density	1.26 g/cm ³	ISO 1183

Mechanical	Nominal Value Unit	Test Method
Tensile Modulus	7400 MPa	ISO 527-1
Tensile Stress (Break)	115 MPa	ISO 527-2/5
Tensile Strain (Break)	2.6 %	ISO 527-2/5
Flexural Modulus (23°C)	7000 MPa	ISO 178
Flexural Stress (23°C)	210 MPa	ISO 178

Impact	Nominal Value Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.5 kJ/m ²	ISO 179/1eA

Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load		
0.45 MPa, Unannealed	213 °C	ISO 75-2/B
1.8 MPa, Unannealed	204 °C	ISO 75-2/A

Injection	Nominal Value Unit
Drying Temperature	80 to 90 °C
Drying Time	4.0 to 8.0 hr
Suggested Max Moisture	0.15 %
Rear Temperature	220 to 230 °C
Middle Temperature	225 to 235 °C
Front Temperature	235 to 245 °C
Injection Zone 4 Temperature	245 to 255 °C
Nozzle Temperature	255 to 270 °C
Processing (Melt) Temp	250 to 270 °C
Mold Temperature	60 to 80 °C
Hot Runner	255 to 270 °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.



Ecomid® B GF20 BK 9005/1

Polyamide 6

Celanese Corporation

PROSPECTOR®

www.ulprospector.com

Where to Buy

Supplier

Celanese Corporation

Florence, Florence USA

Telephone: 800-833-4882

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

Distributor

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

