

Celanyl® A3 H GF30 BK 9005/J

Polyamide 66

Celanese Corporation

PROSPECTOR®

www.ulprospector.com

Technical Data

Product Description

Polyamide 66 compound, glass fiber reinforced, with conductive fillers, heat stabilized.
Special grade, suitable for applications that require low surface resistivity.

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

Physical	Nominal Value Unit	Test Method
Density	1.28 g/cm ³	ISO 1183
Molding Shrinkage		ISO 294-4
Across Flow	0.60 to 0.90 %	
Flow	0.10 to 0.40 %	
Water Absorption		ISO 62
Saturation, 23°C	4.6 %	
Equilibrium, 23°C, 50% RH	1.3 %	

Mechanical	Nominal Value Unit	Test Method
Tensile Modulus	11500 MPa	ISO 527-1
Tensile Stress (Break)	155 MPa	ISO 527-2/5
Tensile Strain (Break)	2.5 %	ISO 527-2/5

Impact	Nominal Value Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.8 kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	50 kJ/m ²	ISO 179/1eU

Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load		
0.45 MPa, Unannealed	260 °C	ISO 75-2/B
1.8 MPa, Unannealed	250 °C	ISO 75-2/A
Melting Temperature ³	265 °C	ISO 11357-3

Electrical	Nominal Value Unit	Test Method
Surface Resistivity (23°C)	3.0E+4 ohms	IEC 62631-3-2
Comparative Tracking Index (CTI)	PLC 0	UL 746A

Flammability	Nominal Value Unit	Test Method
Flame Rating (1.6 mm)	HB	UL 94

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

