

Frianyl® A3 H GF25 V0 GY 7016/E

Polyamide 66

Celanese Corporation

PROSPECTOR®

www.ulprospector.com

Technical Data

Product Description

Frianyl® A3 H GF25 V0 GY 7016/E is a Polyamide 66 (Nylon 66) product filled with glass fiber. It can be processed by injection molding and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

Characteristics include:

- Flame Retardant
- Heat Resistant

General

| | |
|-----------------------------|--|
| Material Status | • Commercial: Active |
| Literature ¹ | • Technical Datasheet |
| UL Yellow Card ² | • E86034-102512456 • E331274-104458869 |
| Search for UL Yellow Card | • Celanese Corporation • Frianyl® |
| Availability | • Africa & Middle East • Asia Pacific • Europe • Latin America • North America |
| Filler / Reinforcement | • Glass Fiber |
| Additive | • Flame Retardant |
| Features | • Flame Retardant • Good Heat Resistance |
| Processing Method | • Injection Molding |
| Multi-Point Data | • Isothermal Stress vs. Strain (ISO 11403-1) • Secant Modulus vs. Strain (ISO 11403-1) |

| Physical | Nominal Value Unit | Test Method |
|--|---------------------------|----------------|
| Melt Volume-Flow Rate (MVR) (270°C/5.0 kg) | 40 cm ³ /10min | ISO 1133 |
| Mechanical | Nominal Value Unit | Test Method |
| Tensile Modulus | 9500 MPa | ISO 527-1 |
| Tensile Stress (Break) | 120 MPa | ISO 527-2/5 |
| Tensile Strain (Break) | 2.0 % | ISO 527-2/5 |
| Impact | Nominal Value Unit | Test Method |
| Charpy Notched Impact Strength (23°C) | 5.0 kJ/m ² | ISO 179/1eA |
| Charpy Unnotched Impact Strength (23°C) | 40 kJ/m ² | ISO 179/1eU |
| Notched Izod Impact Strength (23°C) | 5.5 kJ/m ² | ISO 180/1A |
| Unnotched Izod Impact Strength (23°C) | 30 kJ/m ² | ISO 180/1U |
| Flammability | Nominal Value Unit | Test Method |
| Glow Wire Flammability Index (0.8 mm) | 960 °C | IEC 60695-2-12 |

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 A UL Yellow Card contains UL-verified flammability and electrical characteristics. UL Prospector continually works to link Yellow Cards to individual plastic materials in Prospector, however this list may not include all of the appropriate links. It is important that you verify the association between these Yellow Cards and the plastic material found in Prospector. For a complete listing of Yellow Cards, visit the UL Yellow Card Search.

³ Typical properties: these are not to be construed as specifications.



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Where to Buy

Supplier

Celanese Corporation

Florence, Florence USA

Telephone: 800-833-4882

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

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

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

