



## CELANYL® A3 WR GF30 BK 9005/Z/FA CELANYL®

Designed for any technical application requiring long term heat resistance packed with prime quality mechanical performances. Suitable for drinking water applications.

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|---|----|---|---------------------|----|----|----|----|----|--------|----|---|----|----|--------|---|
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| >PA66-GF30<  |   | ISO 1043<br>ISO 11469<br>IEC 60216-1  |
|--|---|---|
| dry/cond.  |   |   |
| 0.3/-<br>0.5/-   | %<br>%  | ISO 294-4, 2577<br>ISO 294-4, 2577  |
| dry/cond.  |   |   |
| 10200/-<br>190/-<br>3.4/-<br>80/-<br>10/-<br>11/-<br>0.34/- <sup>[C]</sup> | MPa<br>MPa<br>%<br>kJ/m²<br>kJ/m²<br>kJ/m²  | ISO 527-1/-2<br>ISO 527-1/-2<br>ISO 527-1/-2<br>ISO 179/1eU<br>ISO 179/1eA<br>ISO 180/1A  |
| dry/cond.  |   |   |
| HB/*<br>0.8/*<br>yes/*   | class<br>mm   | IEC 60695-11-10<br>IEC 60695-11-10<br>UL 94   |
| drv/cond.  |   |   |
| 1.5/*<br>5.5/*<br>1370/-   | %<br>%<br>kg/m³   | Sim. to ISO 62<br>Sim. to ISO 62<br>ISO 1183  |
|  |   |   |
| 8<br>2 -<br>≤0.1<br>29<br>28<br>30<br>≤0.                                  | 00 °C<br>4 h<br>5 %<br>5 °C<br>5 °C<br>5 °C<br>2 m/s<br>0 °C  |   |
|  | >PA66-GF30< 12  dry/cond.  0.3/- 0.5/-  dry/cond.  10200/- 190/- 3.4/- 80/- 10/- 11/- 0.34/- <sup>[C]</sup> dry/cond.  HB/* 0.8/* yes/*  dry/cond.  1.5/* 5.5/* 1370/-  ye 8 2 ≤0.1 29 28 30 ≤0. 10 | dry/cond.  0.3/- % 0.5/- %  dry/cond.  10200/- MPa 190/- MPa 3.4/- % 80/- kJ/m² 10/- kJ/m² 11/- kJ/m² 0.34/-[C]  dry/cond.  HB/* class 0.8/* mm yes/*  dry/cond.  1.5/* % 5.5/* % |

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120 °C

Revised: 2025-02-14 Source: Celanese Materials Database

Max. mould temperature





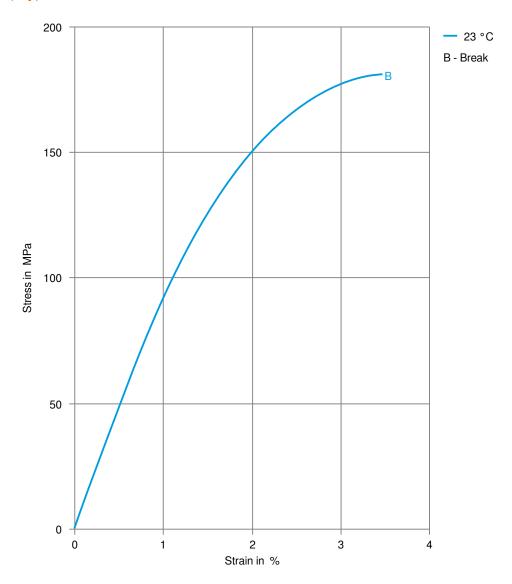
# CELANYL® A3 WR GF30 BK 9005/Z/FA CELANYL®

### Characteristics

Processing

Injection Moulding

### Stress-strain (dry)



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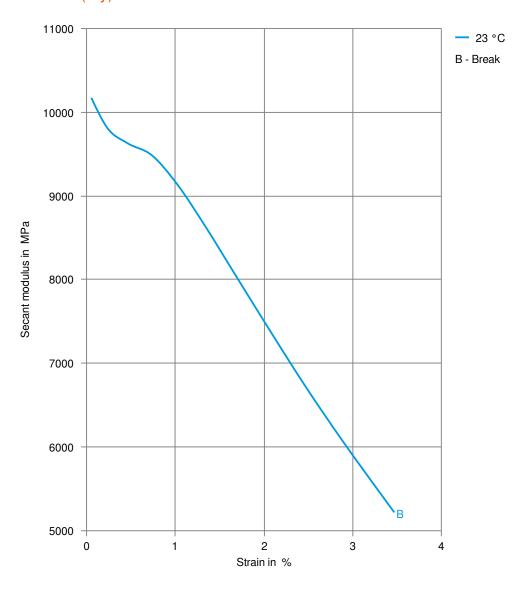
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## Secant modulus-strain (dry)



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## CELANYL® A3 WR GF30 BK 9005/Z/FA

#### Chemical Media Resistance

#### Salt solutions

✓ Sodium Hypochlorite solution (10% by mass), 23°C

#### Symbols used:

✓ possibly resistant

Defined as: Supplier has sufficient indication that contact with chemical can be potentially accepted under the intended use conditions and expected service life. Criteria for assessment have to be indicated (e.g. surface aspect, volume change, property change).

x not recommended - see explanation

Defined as: Not recommended for general use. However, short-term exposure under certain restricted conditions could be acceptable (e.g. fast cleaning with thorough rinsing, spills, wiping, vapor exposure).

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NOTICE TO USERS: Values shown are based on testing of laboratory test specimens and represent data that fall within the standard range of properties for natural material. These values alone do not represent a sufficient basis for any part design and are not intended for use in establishing maximum, minimum, or ranges of values for specification purposes. Colourants or other additives may processing conditions and environmental exposure. Other than those products expressly identified as medical grade (including by MT® product designation or otherwise), Celanese's products are not intended for use in medical or dental implants. Regardless of any such product designation, any determination of the suitability of a particular material and part design for any use contemplated by the users and the manner of such use is the sole responsibility of the users, who must assure themselves that the material as subsequently processed meets the needs of their particular product or use. To the best of our knowledge, the information contained in this publication is accurate; however, we do not assume any liability whatsoever for the accuracy and completeness of such information. The information contained in this publication should not be construed as a promise or guarantee of specific properties of our products. It is the sole responsibility of the users to investigate whether any existing patents are infringed by the use of the materials mentioned in this publication. Moreover, there is a need to reduce human exposure to many materials to the lowest practical limits in view of possible adverse effects. To the extent that any hazards may have been mentioned in this publication, we neither suggest nor guarantee that such hazards are the only ones that exist. We recommend that persons intending to rely on any recommendation or to use any equipment, processing technique or material mentioned in this publication should satisfy themselves that they can meet all applicable safety and health standards. We strongly recommend that users

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