



## CELANYL® A3 J GF30 NC 1102/H CELANYL®

Car industry, Household appliances, Electrical devices.

μ	rc	M	tι	ni	$\cap$ r	m	at	ion

1 Todact IIIIoIIII	ation				
Resin Identification Part Marking Code		PA66-I-GF30 >PA66-I-GF30<		ISO 1043 ISO 11469	
Continuous Service	ce Lemperature	120	°C	IEC 60216-1	
Rheological pro	pperties	dry/cond.			
Viscosity number		145/*	cm <sup>3</sup> /g	ISO 307, 1628	
Moulding shrinkag		0.4 - 0.8	%	ISO 294-4, 2577	
Moulding shrinkag	ge range, normal	0.9 - 1.3	%	ISO 294-4, 2577	
Typical mechai	nical properties	dry/cond.			
Tensile modulus		7600/-	MPa	ISO 527-1/-2	
Tensile stress at b	oreak, 5mm/min	150/-	MPa	ISO 527-1/-2	
Tensile strain at b	reak, 5mm/min	5.5/-	%	ISO 527-1/-2	
Charpy impact str		N/-	kJ/m²	ISO 179/1eU	
Charpy impact str		N/-	kJ/m²	ISO 179/1eU	
	mpact strength, 23°C	21/-	kJ/m²	ISO 179/1eA	
	npact strength, -30°C	13/-	kJ/m²	ISO 179/1eA	
	ardness, H 961/30	150/- 0.34/- <sup>[C]</sup>	MPa	ISO 2039-1	
Poisson's ratio		0.34/-			
[C]: Calculated					
Thermal proper	rties	dry/cond.			
Melting temperatu	ıre, 10°C/min	260/*	°C	ISO 11357-1/-3	
	eflection under load, 1.8 MPa	240/*	°C	ISO 75-1/-2	
Temperature of de	eflection under load, 0.45 MPa	250/*	°C	ISO 75-1/-2	
Electrical prope	erties	dry/cond.			
Volume resistivity		1E13/-	Ohm.m	IEC 62631-3-1	
Comparative track	king index	550/-		IEC 60112	
Physical/Other	properties	dry/cond.			
Humidity absorpti	on. 2mm	1.5/*	%	Sim. to ISO 62	
Water absorption		6.5/*	%	Sim. to ISO 62	
Density	•	1300/-	kg/m³	ISO 1183	
Injection					
Drying Recomme		yes			
Drying Temperature			°C		
Drying Time, Dehumidified Dryer		2 - 4			
Processing Moist		≤0.15			
Melt Temperature		295 285			
Min. melt tempera	iiure	285	0		

Printed: 2025-05-29 Page: 1 of 2

305 °C

Revised: 2024-08-16 Source: Celanese Materials Database

Max. melt temperature





## CELANYL® A3 J GF30 NC 1102/H CELANYL®

## Characteristics

Processing Injection Moulding

Special characteristics High impact or impact modified, High Flow

## **Automotive**

OEM STANDARD ADDITIONAL INFORMATION

Approved

Printed: 2025-05-29 Page: 2 of 2

Revised: 2024-08-16 Source: Celanese Materials Database

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

© 2025 Celanese or its affiliates. All rights reserved. Celanese®, registered C-ball design and all other trademarks identified herein with ®, TM, SM, unless otherwise noted, are trademarks of Celanese or its affiliates. Fortron is a registered trademark of Fortron Industries LLC.