



Examid® PA66 CF30W

carbon fiber reinforced polyamide 66

Technical DataSheet | Supplied by Material Wizard

Examid® PA66 CF30 by Material Wizard is a polyamide 66 compound reinforced with 30% carbon fiber, offering a highly rigid and mechanically strong formulation for demanding structural applications. This material delivers outstanding tensile and flexural strength, while also ensuring excellent dimensional stability and reliable thermal performance under continuous load.

Thanks to the carbon reinforcement and optimized polymer matrix, this grade demonstrates consistent performance in both industrial and technical applications requiring high stiffness and thermal resistance

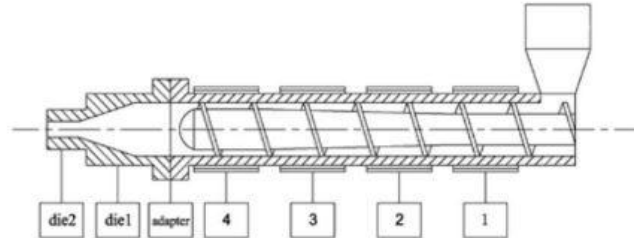
Product Type	PA (Polyamide, Nylon) >	PA 66 CF (carbon fiber filled)
Applications/ Recommended for	Injection Molding >	High-stress Mechanical Parts Metal Replacement
Key Features	Excellent tensile and flexural properties High dimensional accuracy Thermal resistance up to 182 °C Good processability Lower density compared to glass-filled analogues	

Examid® PA66 CF30W Typical Properties

Physical	Value & Unit	Test Condition	Test Method
Density	1.32 g/cm ³	At 23°C	ISO 1183
Carbon fiber content	30%		internal
Melt Volume Flow Rate (MVR)	20 g/10 min	At 275°C, 2.16kg	ISO 1133
Linear Mold Shrinkage, Flow	0.4 %		internal
Temp. of deflection under load (HDT)	182°C	1.8 MPa	ISO 75-2/B
Mechanical	Value & Unit	Test Condition	Test Method
Flexural Modulus	17500 MPa	At 23°C, 2 mm/min	ISO 178
Flexural Strength	260 MPa	At 23°C, 2 mm/min	ISO 178
Impact Strength, Notched Charpy	7 kJ/m ²	At 23°C	ISO 179/1eU
Tensile Strength	170 MPa	At 23°C, 10 mm/min	ISO 527-2
Tensile Strain at Break	3%	At 23°C, 10 mm/min	ISO 527-2

Processing Recommendations

Processing Conditions > Injection Molding:



	Zone1	Zone2	Zone3	Zone4	Adaptor	Die1	Die2
°C	250	255	260	265	270	280	290

Processing Recommendations > Drying:

Our materials are supplied pre-dried in moisture-guarded bags. However, dry materials will rapidly absorb moisture when exposed to the atmosphere. For recyclable products, it must be dried before processing. It is recommended to dry the material at 120 °C for 4 hours in a circulating air or dehumidified air dryer. The moisture content must be lower than 0.2% before and during processing.

Disclaimer

Standard Disclaimer

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance and information to determine to your own satisfaction whether they are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety and environmental standpoint. Such testing has not necessarily been done by us. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale. All information and technical assistance is given without warranty or guarantee and are subject to change without notice. It is expressly understood and agreed that you assume and hereby release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with patents covering any material or its use. No license is implied or in fact granted under the claims of any patent. Typical Properties data is provided as general information only. Property values are approximate and are not part of the product specifications.

Contact Information

Email: vyekimov@gmail.com

Website: materialwizard.com.ua

Marketplace: polyamide.prom.ua

Phone: + 38 050 323 23 21

