



**MATERIAL
WIZARD™**

MAGIC SOLUTIONS REAL RESULTS

Examid® PA6 GF30 LM



Technical DataSheet

Examid® PA6 GF30 LM is a black, 30% glass fiber-reinforced, heat-stabilized polyamide 6 designed for injection molding. Its key characteristics include laser markability, high tensile strength, superior flexural strength and modulus, low shrinkage, exceptional dimensional stability, excellent heat resistance, and ease of processing. This material is ideal for automotive components, industrial equipment, electrical and electronic devices, household appliances, and other applications that demand reliable mechanical and thermal performance.

Product Type

PA (Polyamide, Nylon) > PA 6 (Nylon 6)> PA6 GF30

Applications/ Recommended for

Industrial and Household Products with High Strength.
Automotive
Electrical Engineering
Mechanical Engineering

Key Features

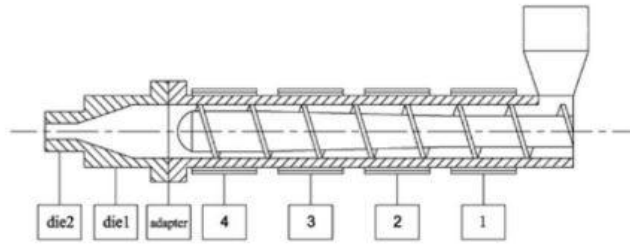
Laser Marking
High Rigidity
Durability
Good Flow
Heat Stabilized
Good Mechanical Properties

Examid[®] PA6 GF30 LM Typical Properties

Physical	Value & Unit	Test Condition	Test Method
Density	1.42 g/cm ³	At 23°C	ISO 1183
Fiberglass Content	30 %		
Melt index 235°C/2.16K	12 g/10min		
Mechanical	Value & Unit	Test Condition	Test Method
Strain at break	6%		ISO 527
Flexural Modulus	7500 MPa		ISO 178
Flexural Strength	240 MPa		ISO 178
Impact Strength, Notched Izod	14 kJ/m ²	At 23°C	ISO179
Tensile strength	150 MPa		ISO 527

Processing Recommendations

Processing Conditions > Injection Molding:



	Zone1	Zone2	Zone3	Zone4	Adaptor	Die1	Die2
°C	240	245	250	255	260	270	280

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. Typical conditions with a desiccant dryer: temperature 80 ° C, dew point -20 ° C or below, time 2-6 h or more.

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.

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