

Gryfilen[®]

POLYPROPYLENE

C12-N

IMPACT COPOLYMER

DESCRIPTION

Gryfilen[®] C12-N is a polypropylene impact copolymer. This grade contains a nucleating agent which provides short cycle times and good dimensional stability of final articles. Gryfilen[®] C12-N is characterized by good impact/stiffness balance, good fluidity and good organoleptic properties.

APPLICATION

Household; Kitchen; Toys; Furniture; Sports; Leisure; Toys & Garden Items; Pails and Crates; Boxes; Appliances and Automotive Items; Caps & Closures.

This grade is not intended for medical and pharmaceutical applications.

PROCESSING TECHNOLOGY

Injection molding.

	Value	Unit	Method
PHYSICAL PROPERTIES			
Melt Flow Rate, (230°C/2.16 kg)	12	g/10 min	ISO 1133-1
Density, (23°C)	0.9	g/cm ³	ISO 1183-1
MECHANICAL PROPERTIES			
Flexural Modulus	1320	MPa	ISO 178
Tensile Strength at Yield	24	MPa	ISO 527-1, -2
Tensile Elongation at Yield	6	%	ISO 527-1, -2
Charpy Impact Strength, (notched; 23 °C)	12	kJ/m ²	ISO 179
THERMAL PROPERTIES			
Heat Deflection Temperature B, (0.45 MPa, unannealed)	97	°C	ISO 75-1/75-2

NOTES

The values have to be considered as to be indicative and do not represent specification values. The use in the indicated applications and processing technologies have to be verified by the converter (fit for purpose).

DISCLAIMER

Before using any product of Grupa Azoty Polyolefins S.A., its user shall independently and at its own risk assess whether the product is suitable for the intended use and ensure whether the product may be used safely and in accordance with applicable law.

The user of the product shall read the relevant Material Safety Data Sheet before using the product.

Grupa Azoty Polyolefins S.A. gives no warranties regarding the product, except for warranties expressly agreed between Grupa Azoty Polyolefins S.A. and buyer in writing under pain of nullity. Grupa Azoty Polyolefins S.A. in particular does not provide any assurances regarding suitability of the product for a specific application and/or compliance of a specific application with applicable law.

Use of the product for certain applications is prohibited or restricted by Grupa Azoty Polyolefins S.A. In particular use of the product into any medical applications (e.g. as part of a medical device or in connection with medical devices), requires prior written approval from Grupa Azoty Polyolefins S.A.

Information on the abovementioned prohibitions and restrictions can be obtained from representative of Grupa Azoty Polyolefins S.A.

All rights to the content of the Technical Data Sheet are reserved for Grupa Azoty Polyolefins S.A., under pain of liability as set out in applicable law. The content of the Technical Data Sheet is protected by applicable provisions of intellectual property law. It is forbidden to use, copy or reproduce any materials used in the Technical Data Sheet, in particular trademarks, logos, photos and marketing content, without the prior written consent of Grupa Azoty Polyolefins S.A.

CONTACT

Grupa Azoty Polyolefins S.A.
Kuźnicka 1, 72-010 Police, Poland
e-mail: technical.polyolefins@grupaaazoty.com