

Gryfilen[®]
POLYPROPYLENE

H12-AGF
HOMOPOLYMER

DESCRIPTION

Gryfilen[®] H12-AGF is a polypropylene homopolymer designed for extrusion applications.

Gryfilen[®] H12-AGF is formulated with a special anti-gas fading stabilization package, which protects the material during processing against excessive degradation, improving the efficiency of the production process, and is responsible for serve shelf life of nonwovens made of it, without losing their functionality properties.

Gryfilen[®] H12-AGF is recommended for production of continuous filaments, fine denier staple fibers and bi-component spunbond nonwovens intendent for hygienic application.

APPLICATION

Filaments; Spunbond Nonwovens.

This grade is not intended for medical and pharmaceutical applications.

PROCESSING TECHNOLOGY

Continuous Filament/Spinning; Fibers; Spunbond.

	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	1600	MPa	ISO 178
Tensile Strength at Yield	37	MPa	ISO 527-1, -2
Tensile Elongation at Yield	7	%	ISO 527-1, -2
Charpy Impact Strength, (notched; 23 °C)	2.7	kJ/m ²	ISO 179

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@grupaazoty.com