Grupa Azoty POLYOLEFINS

Technical Data Sheet
PRELIMINARY

Gryfilen® C75-NAS

POLYPROPYLENE IMPACT COPOLYMER

DESCRIPTION

Gryfilen® C75-NAS is a polypropylene impact copolymer with high fluidity and excellent processability. This grade contains a very effective nucleating agent which in combination with an antistatic agent provides short cycle times, good dimensional stability of the final articles and good mold release properties in the injection molding process.

Gryfilen® C75-NAS is characterized by excellent organoleptic properties, high stiffness, good impact resistance and good flow.

Gryfilen® C75-NAS is especially recommended for high-speed thin wall injection molding of products with complex shapes where good impact resistance is required.

APPLICATION

Food Packaging; Very Thin-Wall Opaque Rigid Packaging and Containers; Household; Kitchen; Toys; Furniture Items; Sports; Leisure & Toys Items; Boxes; Bins; etc.

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)	75	g/10 min	ISO 1133-1
Density, (23°C)	0.9	g/cm³	ISO 1183-1
MECHANICAL PROPERTIES			
Flexural Modulus	1300	MPa	ISO 178
Tensile Strength at Yield	25	MPa	ISO 527-1, -2
Tensile Elongation at Yield	4	%	ISO 527-1, -2
Charpy Impact Strength, (notched; 23 °C)	4.1	kJ/m²	ISO 179
THERMAL PROPERTIES			
Heat Deflection Temperature B, (0.45 MPa, unannealed)	103	°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.

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