

Gryfilen[®]
POLYPROPYLENE

C100-NAS
IMPACT COPOLYMER

DESCRIPTION

Gryfilen[®] C100-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[®] C100-NAS is characterized by high stiffness and good impact resistance. This grade has excellent organoleptic properties which makes it suitable to be used for food contact applications.

Gryfilen[®] C100-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; 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)	100	g/10 min	ISO 1133-1
Density (23 °C)	0.9	g/cm ³	ISO 1183-1
MECHANICAL PROPERTIES			
Flexural Modulus	1250	MPa	ISO 178
Tensile Strength at Yield	26	MPa	ISO 527-1, -2
Tensile Elongation at Yield	4	%	ISO 527-1, -2
Charpy Impact Strength (notched; 23 °C)	3.2	kJ/m ²	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.

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