

Gryfilen[®]

POLYPROPYLENE

C45-NAS

IMPACT COPOLYMER

DESCRIPTION

Gryfilen[®] C45-NAS is a polypropylene impact copolymer designed for the injection molding process. This grade contains a nucleating agent in combination with an antistatic agent providing short cycle times, good dimensional stability of final articles and good mold release properties in the injection molding process.

Gryfilen[®] C45-NAS is characterized by a good impact/stiffness balance with a medium fluidity in combination with very good organoleptic performance.

APPLICATION

Thin-Wall Opaque Containers; Household; Kitchen; Toys; Furniture; Sports; Leisure; Toys & Garden Items; Pails and Crates; 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)	45	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	25	MPa	ISO 527-1, -2
Tensile Elongation at Yield	4.5	%	ISO 527-1, -2
Charpy Impact Strength (notched; 23 °C)	7.3	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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