

Gryfilen[®]

POLYPROPYLENE

H25-NAS

HOMOPOLYMER

DESCRIPTION

Gryfilen[®] H25-NAS is nucleated polypropylene homopolymer designed for injection molding process.

Gryfilen[®] H25-NAS contains nucleating agent which in combination with antistatic agent provides short cycles, good dimensional stability of final articles and good mold release in the injection molding process.

Gryfilen[®] H25-NAS is recommended for the production of caps and closures, thick-walled containers and for general purpose goods which needs higher stiffness.

APPLICATION

Caps & Closures; Tick-Walled Containers; Household; Kitchen; Toys; Furniture; Sports; Leisure & Garden Items.

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)	25	g/10 min	ISO 1133-1
Density, (23°C)	0.9	g/cm ³	ISO 1183-1

	Value	Unit	Method
MECHANICAL PROPERTIES			
Flexural Modulus	1650	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)	2.3	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.

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CONTACT

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