

Gryfilen[®]
POLYPROPYLENE

H50-NAS
HOMOPOLYMER

DESCRIPTION

Gryfilen[®] H50-NAS is nucleated polypropylene homopolymer designed for injection molding process. This grade offers high flow and high stiffness. Nucleating agent in combination with antistatic agent provides short cycles, good dimensional stability of final articles and good mold release in the injection molding process.

Gryfilen[®] H50-NAS is recommended for the production of thin-wall houseware articles and containers.

APPLICATION

Thin-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)	50	g/10 min	ISO 1133-1
Density (23 °C)	0.9	g/cm ³	ISO 1183-1
MECHANICAL PROPERTIES			
Flexural Modulus	1800	MPa	ISO 178
Tensile Strength at Yield	35	MPa	ISO 527-1, -2
Tensile Elongation at Yield	6	%	ISO 527-1, -2
Charpy Impact Strength (notched; 23 °C)	2	kJ/m ²	ISO 179
THERMAL PROPERTIES			
Heat Deflection Temperature B (0.45 MPa, unannealed)	110	°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

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