

Gryfilen[®]

POLYPROPYLENE

H12-G

HOMOPOLYMER

DESCRIPTION

Gryfilen[®] H12-G is a polypropylene homopolymer designed for injection molding process.

Gryfilen[®] H12-G is recommended for the production of goods for which good compromise between stiffness and impact resistance is important.

APPLICATION

Rigid packaging; 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)	12	g/10 min	ISO 1133-1
Density, (23°C)	0.9	g/cm ³	ISO 1183-1
MECHANICAL PROPERTIES			
Flexural Modulus	1550	MPa	ISO 178
Tensile Strength at Yield	36	MPa	ISO 527-1, -2
Tensile Elongation at Yield	7	%	ISO 527-1, -2
Charpy Impact Strength, (notched; 23 °C)	3	kJ/m ²	ISO 179
THERMAL PROPERTIES			
Heat Deflection Temperature B, (0.45 MPa, unannealed)	104	°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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The user of the product shall read the relevant Material Safety Data Sheet before using the product.

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