

# Gryfilen<sup>®</sup>

POLYPROPYLENE

# C12-N

IMPACT COPOLYMER

## DESCRIPTION

Gryfilen<sup>®</sup> C12-N is a polypropylene impact copolymer. This grade contains a nucleating agent which provides short cycle times and good dimensional stability of final articles.

Gryfilen<sup>®</sup> C12-N is characterized by good impact/stiffness balance, good fluidity and good organoleptic properties.

## APPLICATION

Household; Kitchen; Toys; Furniture; Sports; Leisure; Toys & Garden Items; Pails and Crates; Boxes; Appliances and Automotive Items; Caps & Closures.

**This grade is not intended for medical and pharmaceutical applications.**

## PROCESSING TECHNOLOGY

Injection molding.

	Value	Unit	Method
<b>PHYSICAL PROPERTIES</b>			
Melt Flow Rate, (230 °C/2.16 kg)	12	g/10 min	ISO 1133-1
Density, (23 °C)	0.9	g/cm <sup>3</sup>	ISO 1183-1
<b>MECHANICAL PROPERTIES</b>			
Flexural Modulus	1320	MPa	ISO 178
Tensile Strength at Yield	24	MPa	ISO 527-1, -2
Tensile Elongation at Yield	6	%	ISO 527-1, -2
Charpy Impact Strength, (notched; 23 °C)	12	kJ/m <sup>2</sup>	ISO 179
<b>THERMAL PROPERTIES</b>			
Heat Deflection Temperature B, (0.45 MPa, unannealed)	97	°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).

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