

# Gryfilen<sup>®</sup>

POLYPROPYLENE

# C55-NAS

IMPACT COPOLYMER

## DESCRIPTION

Gryfilen<sup>®</sup> C55-NAS is a polypropylene impact copolymer designed for the injection molding process. This grade contains a nucleating agent which in combination with antistatic an agent provides short cycle times, good dimensional stability of the final articles and good mold release in the injection molding process.

Gryfilen<sup>®</sup> C55-NAS is characterized by a good impact/stiffness balance with 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
<b>PHYSICAL PROPERTIES</b>			
Melt Flow Rate (230 °C/2.16 kg)	55	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	1250	MPa	ISO 178
Tensile Strength at Yield	25	MPa	ISO 527-1, -2
Tensile Elongation at Yield	4	%	ISO 527-1, -2
Charpy Impact Strength (notched; 23 °C)	6.4	kJ/m <sup>2</sup>	ISO 179
<b>THERMAL PROPERTIES</b>			
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).

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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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### CONTACT

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