

Gryfilen[®]
POLYPROPYLENE

C01-N
HIGH IMPACT COPOLYMER

DESCRIPTION

Gryfilen[®] C01-N is nucleated high impact resistance thermoplastic polyolefin dedicated for extrusion applications.

Gryfilen[®] C01-N is characterized by an exceptional impact resistance even at low temperatures, very good impact/stiffness balance and excellent processability.

APPLICATION

Flat Sheets; Corrugated Board and Pipes; Crates & Panels.

This grade is not intended for medical and pharmaceutical applications.

PROCESSING TECHNOLOGY

Sheet and Profile Extrusion; Thermoforming.

	Value	Unit	Method
PHYSICAL PROPERTIES			
Melt Flow Rate, (230°C/2.16 kg)	1.4	g/10 min	ISO 1133-1
Density, (23°C)	0.9	g/cm ³	ISO 1183-1
MECHANICAL PROPERTIES			
Flexural Modulus	1350	MPa	ISO 178
Tensile Strength at Yield	28	MPa	ISO 527-1, -2
Tensile Elongation at Yield	7	%	ISO 527-1, -2
Charpy Impact Strength, (notched; 23 °C)	70	kJ/m ²	ISO 179
THERMAL PROPERTIES			
Heat Deflection Temperature B, (0.45 MPa, unannealed)	102	°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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CONTACT

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

