

Technical Data Sheet

Gryfilen® H04-L

POLYPROPYLENE HOMOPOLYMER

DESCRIPTION

Gryfilen® H04-L is a polypropylene homopolymer designed for extrusion applications. This grade is formulated with a low water-carry-over additive package and offers excellent stiffness and good processability. Gryfilen® H04-L is recommended for monofilaments, ropes and tapes.

APPLICATION

Ropes; Tapes; Bags; Big-Bags; Agrotextiles.
This grade is not intended for medical and pharmaceutical applications.

PROCESSING TECHNOLOGY

Tapes & Raffia Extrusion

	Value	Unit	Method
PHYSICAL PROPERTIES			
Melt Flow Rate, (230°C/2.16 kg)	3.2	g/10 min	ISO 1133-1
Density, (23°C)	0.9	g/cm ³	ISO 1183-1
MECHANICAL PROPERTIES			
Flexural Modulus	1600	MPa	ISO 178
Tensile Strength at Yield	37	MPa	ISO 527-1, -2
Tensile Elongation at Yield	8	%	ISO 527-1, -2
Charpy Impact Strength, (notched; 23 °C)	3.6	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).

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DISCLAIMER

Before using any product of Grupa Azoty Polyolefins S.A., its user shall independently and at its own risk assess whether the product is suitable for the intended use and ensure whether the product may be used safely and in accordance with applicable law.

The user of the product shall read the relevant Material Safety Data Sheet before using the product.

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