

**Gryfilen<sup>®</sup>**  
POLYPROPYLENE

**H04-L**  
HOMOPOLYMER

**DESCRIPTION**

Gryfilen<sup>®</sup> 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<sup>®</sup> 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 <sup>3</sup>	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 <sup>2</sup>	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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