

# Gryfilen<sup>®</sup>

POLYPROPYLENE

# H25-AGF

HOMOPOLYMER

## DESCRIPTION

Gryfilen<sup>®</sup> H25-AGF is a controlled rheology polypropylene homopolymer with very narrow molecular weight distribution, designed for extrusion applications.

Gryfilen<sup>®</sup> H25-AGF is formulated with a special anti-gas fading stabilization package, which protects the material during processing against excessive degradation, improving the efficiency of the production process, and is responsible for serve shelf life of nonwovens made of it, without losing their functionality properties.

Gryfilen<sup>®</sup> H25-AGF is recommended for the production of continuous filaments (high-tenacity yarns HTY and spunbond nonwovens).

## APPLICATION

Nonwovens; Hygiene (e.g. Wipes/Tissues/Diapers); Furniture (e.g. pillowcases, upholstery); Buildings (e.g. roofing membranes); Geotextile & Agriculture; Absorption & Filtration.

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

## PROCESSING TECHNOLOGY

Spunbond; Continuous Filament / Spinning; Fibers; Staple Fiber.

	Value	Unit	Method
<b>PHYSICAL PROPERTIES</b>			
Melt Flow Rate, (230°C/2.16 kg)	26	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	1350	MPa	ISO 178
Tensile Strength at Yield	34	MPa	ISO 527-1, -2
Tensile Elongation at Yield	7	%	ISO 527-1, -2
Charpy Impact Strength, (notched; 23 °C)	2.3	kJ/m <sup>2</sup>	ISO 179
<b>THERMAL PROPERTIES</b>			
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 has to be verified by the converter (fit for purpose).

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