

Gryfilen[®]

POLYPROPYLENE

H003-HS

HOMOPOLYMER

DESCRIPTION

Gryfilen[®] H003-HS is a high molecular weight polypropylene homopolymer designed for extrusion applications.

Gryfilen[®] H003-HS is characterized by high melt viscosity for the extrusion process, high extraction stability, very good chemical resistance, a good heat deformation temperature and good stiffness.

Gryfilen[®] H003-HS is recommended for non-pressure pipes, rods, fittings, profiles, cutting boards, filter plates, blow molded.

APPLICATION

Non-Pressure Pipes; Sheets & Profiles; Rods & Fittings; Blow Molded Goods.

This grade is not intended for medical and pharmaceutical applications.

PROCESSING TECHNOLOGY

Pipe and Sheet Extrusion; Extrusion Blow Molding.

	Value	Unit	Method
PHYSICAL PROPERTIES			
Melt Flow Rate, (230°C/2.16 kg)	0.32	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)	7	kJ/m ²	ISO 179

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

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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