

Gryfilen[®]

POLYPROPYLENE

R50-CLAS

RANDOM COPOLYMER

DESCRIPTION

Gryfilen[®] R50-CLAS is polypropylene random copolymer with medium content of ethylene, intended for injection molding process.

Gryfilen[®] R50-CLAS offers high flowability. This grade contain clarifier agent improved the transparency and gloss and antistatic agent that ensures short cycles, good mold release in the injection molding process and low dust pick-up.

Gryfilen[®] R50-CLAS is recommended for the production of thin-walled packaging for housewares and food packaging requirement high transparency and high organoleptic properties.

APPLICATION

Food Packaging; Highly Transparent & Thin-Walled Rigid Packaging & Containers; Housewares; Sports; Leisure & Toys Items.

This grade is not intended for medical and pharmaceutical applications.

PROCESSING TECHNOLOGY

Injection Molding.

	Value	Unit	Method
PHYSICAL PROPERTIES			
Melt Flow Rate (230 °C/2.16 kg)	50	g/10 min	ISO 1133-1
Density (23 °C)	0.9	g/cm ³	ISO 1183-1
MECHANICAL PROPERTIES			
Flexural Modulus	1070	MPa	ISO 178
Tensile Strength at Yield	28	MPa	ISO 527-1, -2
Tensile Elongation at Yield	9	%	ISO 527-1, -2
Charpy Impact Strength (notched; 23 °C)	5.4	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

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