

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

**R100-CLAS**  
RANDOM COPOLYMER

**DESCRIPTION**

Gryfilen<sup>®</sup> R100-CLAS is polypropylene random copolymer with medium content of ethylene, intended for injection molding process.

High fluidity of Gryfilen<sup>®</sup> R100-CLAS and the antistatic agent content allows short processing cycles, good mold release in the injection molding process and low dust pick-up.

Gryfilen<sup>®</sup> R100-CLAS is recommended for the production of thin-walled packaging for housewares and food packaging requirement the high transparency (ensured by the application of clarifier agent) and very good organoleptic properties. Its high fluidity allows molding of very thin-wall items with a complex geometry.

**APPLICATION**

Food Packaging; Highly Transparent & Very Thin 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
<b>PHYSICAL PROPERTIES</b>			
Melt Flow Rate, (230 °C/2.16 kg)	100	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	980	MPa	ISO 178
Tensile Strength at Yield	28	MPa	ISO 527-1, -2
Tensile Elongation at Yield	4	%	ISO 527-1, -2
Charpy Impact Strength, (notched; 23 °C)	5	kJ/m <sup>2</sup>	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).

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