

# Gryfilen<sup>®</sup>

POLYPROPYLENE

# R20-CLAS

RANDOM COPOLYMER

## DESCRIPTION

Gryfilen<sup>®</sup> R20-CLAS is polypropylene random copolymer with medium content of ethylene, intended for injection molding process.

Gryfilen<sup>®</sup> R20-CLAS offers good 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<sup>®</sup> R20-CLAS is recommended for the production of housewares and food packaging items with high transparency, requirement very good organoleptic properties.

## APPLICATION

Food Packaging; Highly Transparent 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)	20	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	1100	MPa	ISO 178
Tensile Strength at Yield	27	MPa	ISO 527-1, -2
Tensile Elongation at Yield	9	%	ISO 527-1, -2
Charpy Impact Strength (notched; 23 °C)	6	kJ/m <sup>2</sup>	ISO 179
<b>THERMAL PROPERTIES</b>			
Heat Deflection Temperature B (0.45 MPa, unannealed)	83	°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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