



# Polypropylene

# ZP961

Polypropylene Compound

## Description

**ZP961** is a polypropylene copolymer intended for injection moulding and blow moulding.

## Applications

**ZP961** has been developed especially for the car industry to be used in automotive exterior parts.

Break fluid reservoirs

## Special features

Very good stiffness  
Very good dimensional stability

Very good chemical resistance  
Very good heat deformation resistance

## Physical Properties

Property	Typical Value	Test Method
Data should not be used for specification work		
Density (23 °C)	909 kg/m <sup>3</sup>	ISO 1183
Melt Flow Rate (230 °C/2,16 kg)	0,7 g/10min	ISO 1133
Flexural Modulus (2 mm/min)	1.400 MPa	ISO 178
Flexural Strength	38 MPa	ISO 178
Tensile Strain at Yield (50 mm/min)	3 %	ISO 527-2
Tensile Stress at Yield (50 mm/min)	34 MPa	ISO 527-2
Heat Deflection Temperature (0,45 MPa)	95 °C	ISO 75-2
Heat Deflection Temperature (1,8 MPa)	50 °C	ISO 75-2
Charpy Impact Strength, notched (23 °C)	20 kJ/m <sup>2</sup>	ISO 179/1eA
Izod Impact Strength, notched (23 °C)	20 kJ/m <sup>2</sup>	ISO 180/1A

## Combustion Properties

Property	Typical Value	Test Method
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Flammability at thickness 1 mm	Max100 mm/min	ISO 3795

## Processing Techniques

The actual conditions will depend on the type of equipment used.

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Following parameters should be used as guidelines:

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Research Center Tel.+188 1699 6168



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Barrel	200 - 230 °C
Melt temperature	190 - 230 °C
Holding pressure	50-70% of injection pressure
Mould temperature	20 - 40 °C
Injection speed	Low to medium

## Storage

**ZP961** should be stored in dry conditions at temperatures below 50°C and protected from UV-light. Improper storage can initiate degradation, which results in odour generation and colour changes and can have negative effects on the physical properties of this product.

## Safety

The product is not classified as dangerous. Please see our "Safety data sheet" / "Product safety information sheet" for details on various aspects of safety, recovery and disposal of the product. For more information, contact your Borealis representative.

## Recycling

The product is suitable for recycling using modern methods of shredding and cleaning. In-house production waste should be kept clean to facilitate direct recycling.

## Disclaimer

**The product(s) mentioned herein are not intended to be used for medical, pharmaceutical or healthcare applications and we do not support their use for such applications.**

To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication; however we do not assume any liability whatsoever for the accuracy and completeness of such information.

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