## PRODUCT DATA SHEET

## Polypropylene

# **ZP961**

### Polypropylene Compound

#### **Description**

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

## **Applications**

**ZP961** has been developed especially for applications like:

Break fluid reservoirs Hydraulic tanks

**Special Features** 

Very good stiffness

Very good chemical resistance

Very good dimensional stability

Very good heat deformation resistance

## **Physical Properties**

Property	<b>Typical Value</b> Data should not be used for	<b>Test Method</b> specification work	
Density (23 °C)	900 kg/m³	ISO 1183	
Melt Flow Rate (230 °C/2,16 kg)	0,7 g/10min	ISO 1133	
Flexural Modulus (2 mm/min)	1.500 MPa	ISO 178	
Tensile Stress at Yield (50 mm/min)	34 MPa	ISO 527-2	
Heat Deflection Temperature B (0,45 MPa)	90 °C	ISO 75-2	
Charpy Impact Strength, notched (23 °C)	20 kJ/m²	ISO 179/1eA	
Charpy Impact Strength, notched (-20 °C)	3 kJ/m²	ISO 179/1eA	

## **Combustion Properties**

Property	Typical Value Data should not be used for specifications	Test Method attion work
Flammability at thickness 3 mm	Max100 mm/min	ISO 3795

#### **Processing Techniques**

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

The actual conditions will depend on the type of equipment used. To avoid residual humidity from transport or storage, the material should be pre-dried approximately 2h at  $95^{\circ}$  -  $105^{\circ}$ C. Following parameters should be used as guidelines:

 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.



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### Safety

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.

## Regional Availability

South America

For information on regional availability please contact Borealis Sales Representative.

#### 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.

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