



# Polypropylene XR557

Polypropylene Compound, Mineral Filled

## Description

**XR557** is a Mineral filled polypropylene compound intended for extrusion moulding.

The product is 10% Mineral filled.

## Applications

Corrugated pipes

Extrusion of conduit pipes

## Special features

Good stiffness and impact balance  
High impact strength

Improved high thermal stability

## Physical Properties

Property	Typical Value	Test Method
Data should not be used for specification work		
Density (23 °C)	980 kg/m <sup>3</sup>	ISO 1183
Melt Flow Rate (230 °C/2,16 kg)	1,3 g/10min	ISO 1133
Flexural Modulus (2 mm/min)	770 MPa	ISO 178
Flexural Strength	16 MPa	ISO 178
Tensile Stress at Yield (50 mm/min) (23 °C)	17 MPa	ISO 527-2
Heat Deflection Temperature Edgewise (1,82 MPa)	45 °C	ISO 75-2
Izod Impact Strength, notched (23 °C)	55 kJ/m <sup>2</sup>	ISO 180/1A
Izod Impact Strength, notched (-30 °C)	5 kJ/m <sup>2</sup>	ISO 180/1A
Izod Impact Strength, unnotched (23 °C)	No break	ISO 180/1U

## Combustion Properties

Property	Typical Value	Test Method
Data should not be used for specification work		
Flammability at thickness 1 mm	Max100 mm/min	ISO 3795

## Processing Techniques

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

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

Cylinder	200 - 220 °C
Head	210 - 220 °C
Die	210 - 220 °C
Melt temperature	210 - 230 °C

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## Storage

**XR557** 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.

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