



**Polypropylene**  
**Daplen™ FSC65T30**  
 Polypropylene Compound 30% Talc Filled

### Description

**Daplen FSC65T30** is a 30% Talc filled grade intended for injection moulding.

**Daplen FSC65T30** has been developed especially for the car industry, to be used in interior parts.

### Applications

- Automotive interior parts
- Instrument panel insert

### Physical Properties\*\*

		Typical Value*	Unit	Test Method
Density		1150	kg/m <sup>3</sup>	ISO 1183
Melt Flow Rate	(230°C/2.16 kg)	5	g/10 min	ISO 1133
Melt Flow Rate	(230°C/5.0 kg)	22	g/10 min	ISO 1133
Flexural Modulus	(2 mm/min)	3100	MPa	ISO 178
Tensile Stress at Yield	(50 mm/min)	24	MPa	ISO 527-2
Tensile Strain at Yield	(50 mm/min)	3.2	%	ISO 527-2
Charpy Impact Strength, notched	(+23°C)	7	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Impact Strength, notched	(-20°C)	2.5	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Impact Strength, unnotched	(+23°C)	67	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy Impact Strength, unnotched	(-20°C)	24	kJ/m <sup>2</sup>	ISO 179/1eU
Hardness, Ball Indentation	H358/30	62	MPa	ISO 2039
Heat Deflection Temperature	(0.45 MPa)	125	°C	ISO 75-2
Heat Deflection Temperature	(1.80 MPa)	62	°C	ISO 75-2
Vicat Softening Temperature	A (10 N)	150	°C	ISO 306
Vicat Softening Temperature	B (50 N)	73	°C	ISO 306

\* Data should not be used for specification work

\*\* Values determined on standard injection moulded specimens, conditioned at 23°C and 50% relative humidity.

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#### Borealis A/S

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## Application Related Tests

		Typical Value*	Unit	Test Method
Fogging	(100°C/3h)	92.5	%	DIN 75201
Fogging	(100°C/16h)	9.0	mg	DIN 75201
Emission		30	µg C/g	VDA 277
Mould Shrinkage		0.9	%	Borealis Method

\* Data should not be used for specification work

## Processing Guidelines

**Daplen FSC65T30** is recommended to pre-dry before processing. A guideline is to dry the material 3 hours at 80°C.

**Daplen FSC65T30** is easy to process with standard injection moulding machines. Following moulding parameters should be used as guidelines:

Melt Temperature	210 - 260°C
Mould Temperature	30 - 50°C
Injection Speed	Medium
Holding Pressure	50 - 70% of the injection pressure

## Storage and Handling

**Daplen FSC65T30** 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

**Daplen FSC65T30** is not classified as a dangerous preparation.

Dust and fines from the product carry a risk of dust explosion. All equipment should be properly earthed. Inhalation of dust should be avoided as it may cause irritation of the respiratory system. Small amounts of fumes are generated during processing of the product. Proper ventilation is therefore required.

## 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.

A Safety Data Sheet is available on request. Please contact your Borealis representative for more details on various aspects of safety, recovery and disposal of the product.



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### Related Documents

The following related documents are available on request, and represent various aspects on the usability, safety, recovery and disposal of the product.

Recovery and disposal of Polyolefins  
 Safety Data Sheet, SDS  
 Environmental Fact Sheet

Liability Statements on:

- Compliance to food contact regulations
- Statement on heavy metals
- Statement on chemical substances
- UL-listing

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