

# TABOREN-PC 72 G 10

## Description

**TABOREN-PC 72 G 10** is a compound based on polypropylene copolymer filled with 10% of short glass fiber, stabilized with a basic antioxidant package. It is designed for injection moulding technology .

The grade is available in natural colour.



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	Properties	Test method	Unit	Typical value
Physical	Melt Flow Index (230°C / 2,16 kg)	ISO 1133	g/10 min	12,0
	Density	ISO 1183-1	g/cm <sup>3</sup>	0,970
Mechanical	Tensile Strength at Yield	ISO 527	MPa	40
	Charpy Notched Impact Strength	ISO 179-1/1eA 23°C	KJ/m <sup>2</sup>	13
	Charpy Unnotched Impact Strength	ISO 179-1/1eU 23°C	KJ/m <sup>2</sup>	40
	Elongation at Break	ISO 527	%	5
	Flexural Modulus	ISO 178	MPa	2200
Thermal	VICAT Softening Temperature	ISO 306 method A50	°C	155

Notes\* The above values are typical for this material, not standardized.

# TABOREN-PC 72 G 10

## Processing Guidelines

### Drying

**TABOREN-PC 72 G 10** is recommended to be pre-dried before processing. A guideline is to dry the grade at 80°C for 3 hrs.

### Machine Requirements:

**TABOREN-PC 72 G 10** can be processed without problems on standard moulding machines.

The following moulding parameters are to be used as guidelines:

Melt Temperature: 200 – 250°C  
Injection Speed: Medium  
Injection Pressure: 90 – 130 MPa  
Hold-on Pressure >40% of injection pressure  
Mould Temperature: 30 - 50°C

### Storage and handling

**TABOREN-PC 72 G 10** should be stored in dry conditions at temperatures below 50°C and protected from UV light. Improper storage may initiate degradation resulting in odour generation, colour changes and could have negative effects on the physical properties of the product.

### Safety

**TABOREN-PC 72 G 10** is not classified as a dangerous preparation. A Safety Datasheet is available on request. Please contact your SILON representative for more details on various aspects of safety.

### Recycling

The product is suitable for recycling using modern methods of shredding and cleaning.



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