



# TABOREN-PC 73 T 20R-047

## Description

**TABOREN-PC 73 T 20R - 047** is a compound based on recycled polypropylene copolymer, filled with 20% of mineral filler and stabilized with a high UV/AOX additive package. It is designed for injection moulding technology and used in automotive applications requiring outstanding performance under enhanced temperatures. The grade is available in black colour.



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## Properties

<b>Physical</b>	Density	ISO 1183-1	g/cm <sup>3</sup>	1,04
	Melt Flow Index (230°C / 2,16 kg)	ISO 1133	g/10 min	13,0
<b>Mechanical</b>	Tensile Stress at Yield	ISO 527	MPa	24
	Elongation at Break	ISO 527	%	15
	Charpy Notched Impact Strength	ISO 179-1/1eU 23°C	KJ/m <sup>2</sup>	5
	Charpy Unnotched Impact Strength	ISO 179-1/1eU 23°C	KJ/m <sup>2</sup>	53
	VICAT Softening Temperature	ISO 306 methode A50	°C	145
	Flexural Modulus	ISO 178	MPa	2300
	Shrinkage lengthwise	ISO 294-4	%	1,24
	Shrinkage accross	ISO 294-4	%	1,21



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



# TABOREN-PC 73 T 20R-047

## Processing Guidelines

### Drying

**TABOREN-PC 73 T 20R-047** 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 73 T 20R-047** is easy to process on standard injection 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 73 T 20R-047** 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 and colour changes a can have negative effects on the physical properties of the product.

### Safety

**TABOREN-PC 73 T 20R-047** 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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