

# TABOREN PC 62 T50

## Description

**TABOREN-PC 62 T 50** is a compound based on polypropylene copolymer, filled with 50% of talc filler and stabilized with a basic additive package. It is designed for injection moulding technology and used in applications requiring outstanding performance under enhanced temperatures. The grade is available in natural colour.



AUTOMOTIVE  
APPLICATIONS



CONSTRUCTION  
APPLICATIONS



GENERAL  
APPLICATIONS



HYGIENIC  
APPLICATIONS

	Properties	Test method	Unit	Typical value
Physical	Density	ISO 1183-1	g/cm <sup>3</sup>	1,35
	Melt Flow Rate (230°C / 2,16 kg)	ISO 1133	g/10 min	11
Mechanical	Tensile Strength	ISO 527	MPa	20
	Elongation at Break	ISO 527	%	2
	Charpy Notched Impact Strength	ISO 179-1/1eU 23°C	KJ/m <sup>2</sup>	2,5
	Charpy Unnotched Impact Strength	ISO 179-1/1eU 23°C	KJ/m <sup>2</sup>	8
	VICAT Softening Temperature	ISO 306 methode A50	°C	140
	Flexural Modulus	ISO 178	MPa	4200

# TABOREN PC 62 T50



## Processing Guidelines

**TABOREN-PC 62 T 50** is recommended to be pre-dried before processing.

A guideline is to dry the grade at 80°C for 3 hrs.

**TABOREN-PC 62 T 50** 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 62 T 50** 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 62 T 50** 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



AUTOMOTIVE  
APPLICATIONS



CONSTRUCTION  
APPLICATIONS



GENERAL  
APPLICATIONS



HYGIENIC  
APPLICATIONS



AUTOMOTIVE  
APPLICATIONS

---



CONSTRUCTION  
APPLICATIONS

---



GENERAL  
APPLICATIONS

---



HYGIENIC  
APPLICATIONS





Properties	
Physical	Density
	Melt Flow Rate (230°C / 2,16 kg)
Mechanical	Tensile Strength
	Elongation at Break
	Charpy Notched Impact Strength
	Charpy Unnotched Impact Strength
	VICAT Softening Temperature
	Flexural Modulus

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

**Color:** Natural

**Physical Properties:**

Properties	Test method	Typical Value <sup>1</sup>	Units
Melt Flow Rate	ISO 1133 230°C, 2.16 kg	11.00	g/10min
Melt volume rate		0.00	cm <sup>3</sup> /10 min
Density	ISO 1183-1	1.350	g/cm <sup>3</sup>
Tensile Strength	ISO 527	20	MPa
Elongation at Break	ISO 527	2	%
Flexural Modulus	ISO 178	4'200	MPa
CHARPY Notched Impact Strength	ISO 179-1/1eA 23°C	2.5	kJ/m <sup>2</sup>
CHARPY Unnotched Impact Strength	ISO 179-1/1eU 23°C	8	kJ/m <sup>2</sup>
VICAT Softening Temperature	ISO 306 method A50	140.0	°C

<sup>1</sup>The above values are typical for this material, not standardized.

--	--

Test method	Unit	Typical value
ISO 1183-1	g/cm <sup>3</sup>	1.35
ISO 1133	g/10 min	11
ISO 527	MPa	20
ISO 527	%	2
ISO 179-1/1eU 23°C	KJ/m <sup>2</sup>	2.5
ISO 179-1/1eU 23°C	KJ/m <sup>2</sup>	8
ISO 306 methode A50	°C	140
ISO 178	MPa	4200

standardized.

