

# TABOREN-PH 49 G 30

## Description

**TABOREN-PH 49 G 30** is a compound based on polypropylene homopolymer, filled with 30% of short glass fibres and stabilized with a high antioxidant package. It is designed for injection moulding technology and used in many industrial fields with stress put on excellent processability and good surface performance.

The grade is available in natural colour.



**AUTOMOTIVE  
APPLICATIONS**

<b>Physical</b>	Melt Flow Rate (230°C, 2.16 kg)	ISO 1133	g/10 min	6,0
	Density	ISO 1183-1	g/cm <sup>3</sup>	1,15
<b>Mechanical</b>	Tensile Strength at Yield	ISO 527	MPa	90
	Elongation at Break	ISO 527	%	5
	Flexural Modulus	ISO 178	MPa	6000
	CHARPY Notched Impact Strength	ISO 179-1/1eA 23°C	kJ/m <sup>2</sup>	9
	CHARPY Unnotched Impact Strength	ISO 179-1/1eU 23°C	kJ/m <sup>2</sup>	49
<b>Thermal</b>	VICAT Softening Temperature	ISO 306, method A50	°C	165



**CONSTRUCTION  
APPLICATIONS**



**GENERAL  
APPLICATIONS**



**HYGIENIC  
APPLICATIONS**

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

# TABOREN-PH 49 G 30



## Processing Guidelines

### Drying

**TABOREN-PH 49 G 30** is recommended to be pre-dried before processing. A guideline is to dry the grade at 80°C for 3 hrs.

### Machine Requirements:

**TABOREN-PH 49 G 30** 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-PH 49 G 30** 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-PH 49 G 30** is not classified as a dangerous preparation. A Safety Datasheet is available on request. Please contact your SILON representative for more details.

### Recycling

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



AUTOMOTIVE  
APPLICATIONS



CONSTRUCTION  
APPLICATIONS



GENERAL  
APPLICATIONS



HYGIENIC  
APPLICATIONS





<b>Physical</b>	Melt Flow Rate (230°C, 2.16 kg)	ISO 1133
	Density	ISO 1183-1
<b>Mechanical</b>	Tensile Strength at Yield	ISO 527
	Elongation at Break	ISO 527
	Flexural Modulus	ISO 178
	CHARPY Notched Impact Strength	ISO 179-1/1eA 23°C
	CHARPY Unnotched Impact Strength	ISO 179-1/1eU 23°C
<b>Thermal</b>	VICAT Softening Temperature	ISO 306, method A50

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

g/10 min	6.0
g/cm <sup>3</sup>	1.15
MPa	90
%	5
MPa	6000
kJ/m <sup>2</sup>	9
kJ/m <sup>2</sup>	49
°C	165