

# TABOREN PH 49 G 30-045



## Description

**TABOREN PH 49 G 30-045** is a compound based on polypropylene homopolymer, filled with 30% of short glass fibres and stabilized with a high 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 standard black colour.



**AUTOMOTIVE APPLICATIONS**



**CONSTRUCTION APPLICATIONS**



**GENERAL APPLICATIONS**



**HYGIENIC APPLICATIONS**

## Properties

	Properties	Test method	Unit	Typical value
<b>Physical</b>	Melt Flow Index (230°C/ 2,16 kg)	ISO 1133	g/10 min	5
	Density	ISO 1183-1	g/cm <sup>3</sup>	1,15
<b>Mechanical</b>	Tensile Strength	ISO 527	MPa	90
	Elongation at Break	ISO 527	%	4
	Flexural Modulus	ISO 178	MPa	6000
<b>Impact</b>	CHARPY Notched Impact Strength	ISO 179-1/1eA 23°C	kJ/m <sup>2</sup>	10
	CHARPY Unnotched Impact Strength	ISO 179-1/1eU 23°C	kJ/m <sup>2</sup>	45
<b>Thermal</b>	VICAT Softening Temperature	ISO 306, method A50	°C	165
<b>Flammability</b>	Flame Rating UL	UL94	°C	HB

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



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## Processing Guidelines

### Drying

**TABOREN PH 49 G 30-045** 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 30-045** 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 30-045** 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 30-045** 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.



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