

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
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Properties

	Properties	Test method	Unit	Typical value
Physical	Melt Flow Index (230°C/ 2,16 kg)	ISO 1133	g/10 min	5
	Density	ISO 1183-1	g/cm ³	1,150
Mechanical	Tensile Strength	ISO 527	MPa	90
	Elongation at Break	ISO 527	%	4
	Flexural Modulus	ISO 178	MPa	6000
Impact	CHARPY Notched Impact Strength	ISO 179-1/1eA 23°C	kJ/m ²	10
	CHARPY Unnotched Impact Strength	ISO 179-1/1eU 23°C	kJ/m ²	45
Thermal	VICAT Softening Temperature	ISO 306, method A50	°C	165
Flammability	Flame Rating UL	UL94	°C	HB



**GENERAL
APPLICATIONS**



**HYGIENIC
APPLICATIONS**

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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