

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.

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	1,15
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

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



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TABOREN PH 49 G 30-045

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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