

TABOREN-PH 41 G 30-062

Description

TABOREN-PH 41 G 30-062 is a compound based on polypropylene homopolymer, filled with 30% of short glass fibers, stabilized with a basic 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 black colour.

	Properties	Test method	Unit	Typical value
Physical	Melt Flow Index (230°C / 2,16 kg)	ISO 1133	g/10 min	5,0
	Density	ISO 1183-1	g/cm ³	1,14
Mechanical	Tensile Strength at Yield	ISO 527	MPa	85
	Charpy Notched Impact Strength	ISO 179-1/1eA 23°C	KJ/m ²	9
	Charpy Unnotched Impact Strength	ISO 179-1/1eU 23°C	KJ/m ²	45
	Elongation at Break	ISO 527	%	5
	Flexural Modulus	ISO 178	MPa	6000
Thermal	VICAT Softening Temperature	ISO 306 method A50	°C	164

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



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Processing Guidelines

Drying

TABOREN PH 41 G 30-062 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 41 G 30-062 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 41 G 30-062 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 41 G 30-062 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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Test method	Unit	Typical value / (ASTM)
ISO 1133	g/10 min	5.0
ISO 1183-1	g/cm ³	1.14
ISO 527	MPa	85 (12,3 ksi)
ISO 179-1/1eA 23°C	KJ/m ²	9 (4,28 ft-lb/in ²)
ISO 179-1/1eU 23°C	KJ/m ²	45 (21,4 ft-lb/in ²)
ISO 527	%	5
ISO 178	MPa	6000 (870 ksi)
ISO 306 method A50	°C	164 (327°F)

standardized.