

TABOREN-PH 59 G 40-011

Description

TABOREN-PH 59 G 40-011 is a compound based on polypropylene homopolymer filled with 40% of short glass fibers, 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 black colour.



AUTOMOTIVE APPLICATIONS



CONSTRUCTION APPLICATIONS



GENERAL APPLICATIONS



HYGIENIC APPLICATIONS

	Properties	Test method	Unit	Typical value
Physical	Melt Flow Index (230°C / 2,16 kg)	ISO 1133	g/10 min	6,0
	Density	ISO 1183-1	g/cm ³	1,250
Mechanical	Tensile Strength	ISO 527	MPa	100
	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	ISO 527	%	5
	Flexural Modulus	ISO 178	MPa	8000
Thermal	VICAT Softening Temperature	ISO 306 method A50	°C	165

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

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Processing Guidelines

Drying

TABOREN-PH 59 G 40-011 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 59 G 40-011 can be processed without problems on standard 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 59 G 40-011 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, colour changes and could have negative effects on the physical properties of the product.

Safety

TABOREN-PH 59 G 40-011 is not classified as a dangerous preparation. A Safety Datasheet is available on request. Please contact your SILON representative for more details on various aspects of safety.

Recycling

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



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