

TABOREN-PH 52 G 20-094

Description

TABOREN-PH 52 G 20-094 is a compound based on polypropylene homopolymer, filled with 20% of short glass fibres and stabilized with a basic additive package. It is designed for injection moulding technology and used in automotive applications without high demands on performance under enhanced temperatures. The grade is available in standard black colour.



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	Properties	Test method	Unit	Typical value
Physical	Melt Flow Rate (230°C, 2.16 kg)	ISO 1133	g/10 min	5.0
	Density	ISO 1183-1	g/cm ³	1.05
Mechanical	Tensile Strength	ISO 527	MPa	75
	Elongation at Break	ISO 527	%	4
	Flexural Modulus	ISO 178	MPa	4000
Impact	CHARPY Notched Impact Strength	ISO 179-1/1eA 23°C	kJ/m ²	8
	CHARPY Unnotched Impact Strength	ISO 179-1/1eU 23°C	kJ/m ²	40
Thermal	VICAT Softening Temperature	ISO 306, method A50	°C	162

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



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Processing Guidelines

Drying

TABOREN-PH 52 G 20-094 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 52 G 20-094 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 52 G 20-094 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 52 G 20 -094 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, recovery and disposal of the product.

Recycling

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



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