

TABOREN-PC 73 T 20R-047

Description

TABOREN-PC 73 T 20R - 047 is a compound based on recycled polypropylene copolymer, filled with 20% of mineral filler and stabilized with a high UV/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 black colour.



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Properties

	Properties	Test method	Unit	Typical value
Physical	Density	ISO 1183-1	g/cm ³	1,04
	Melt Flow Index (230°C / 2,16 kg)	ISO 1133	g/10 min	15,0
Mechanical	Tensile Stress at Yield	ISO 527	MPa	24
	Elongation at Break	ISO 527	%	15
	Charpy Notched Impact Strength	ISO 179-1/1eU 23°C	KJ/m ²	6
	Charpy Unnotched Impact Strength	ISO 179-1/1eU 23°C	KJ/m ²	53
	VICAT Softening Temperature	ISO 306 methode A50	°C	145
	Flexural Modulus	ISO 178	MPa	2100
	Shrinkage lengthwise	ISO 294-4	%	1,24
Shrinkage accross	ISO 294-4	%	1,21	

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

TABOREN-PC 73 T 20R-047 **SILON**

Processing Guidelines

Drying

TABOREN-PC 73 T 20R-047 is recommended to be pre-dried before processing. A guideline is to dry the grade at 80°C for 3 hrs.

Machine Requirements:

TABOREN-PC 73 T 20R-047 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-PC 73 T 20R-047 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-PC 73 T 20R-047 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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