

# TABOREN PH 43 T 20-009

## Description

**TABOREN PH 43 T 20-009** is a compound based on polypropylene homopolymer, filled with 20% of talc and stabilized with an UV 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.



AUTOMOTIVE  
APPLICATIONS



CONSTRUCTION  
APPLICATIONS



GENERAL  
APPLICATIONS



HYGIENIC  
APPLICATIONS

Physical	Melt Flow Index (230°C / 2,16 kg)	ISO 1133	g/10 min	3,0
	Density	ISO 1183-1	g/cm <sup>3</sup>	1,04
Mechanical	Tensile Strength at Yield	ISO 527	MPa	30
	Charpy Notched Impact Strength	ISO 179-1/1eA 23°C	KJ/m <sup>2</sup>	3
	Charpy Unnotched Impact Strength	ISO 179-1/1eU 23°C	KJ/m <sup>2</sup>	30
	Elongation at Break	ISO 527	%	15
	Flexural Modulus	ISO 178	MPa	3100
Thermal	VICAT Softening Temperature	ISO 306 method A50	°C	150

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

# TABOREN PH 43 T 20-009



## Processing Guidelines

### Drying

**TABOREN PH 43 T 20-009** 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 43 T 20-009** 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 43 T 20-009** 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 43 T 20-009** 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.



AUTOMOTIVE  
APPLICATIONS



CONSTRUCTION  
APPLICATIONS



GENERAL  
APPLICATIONS



HYGIENIC  
APPLICATIONS





<b>Physical</b>	Melt Flow Index (230°C / 2,16 kg)
	Density
<b>Mechanical</b>	Tensile Strength at Yield
	Charpy Notched Impact Strength
	Charpy Unnotched Impact Strength
	Elongation at Break
	Flexural Modulus
<b>Thermal</b>	VICAT Softening Temperature

**Notes\*** The above values are typical for this material, not stan

ISO 1133	g/10 min	3.0
ISO 1183-1	g/cm <sup>3</sup>	1.04
ISO 527	MPa	30
ISO 179-1/1eA 23°C	KJ/m <sup>2</sup>	3
ISO 179-1/1eU 23°C	KJ/m <sup>2</sup>	30
ISO 527	%	15
ISO 178	MPa	3100
ISO 306 method A50	°C	150

standardized.