

# TABOREN-PH 41 C 40

## Description

**TABOREN-PH 41 C 40** is a compound based on homopolymer polypropylene filled with 40% of calcium carbonate, stabilized with a standard antioxidant additive package. It is suitable for extrusion and blow moulding applications in many industrial fields with stress put on excellent processability and good surface performance.

The grade is available in natural 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>	1,12
Mechanical	Tensile Strength at Yield	ISO 527	MPa	22
	Charpy Notched Impact Strength	ISO 179-1/1eA 23°C	KJ/m <sup>2</sup>	4
	Charpy Unnotched Impact Strength	ISO 179-1/1eU 23°C	KJ/m <sup>2</sup>	55
	Elongation at Break	ISO 527	%	70
	Flexural Modulus	ISO 178	MPa	2600
Thermal	VICAT Softening Temperature	ISO 306 method A50	°C	153

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

# TABOREN-PH 41 C 40

## Processing Guidelines

### Drying

**TABOREN-PH 41 C 40** 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 C 40** can be processed without problems on all extrusion lines suitable for production of PP profiles and pipes.

### Screw:

Abrasion protected coating of the screw is recommended due to the content of filler.

Length: 25D – 30D

### Heating:

At least three separately controllable heating zones. The cylinder flange and adapter must be able to be heated.

### Temperature Profile:

Hopper:	15 – 40°C
Zone 1:	180 – 190°C
Zone 2:	190 – 200°C
Zone 3:	200 – 210°C
Adapter:	200 – 210°C
Die:	200 – 210°C
Melt:	200 – 210°C



AUTOMOTIVE  
APPLICATIONS



CONSTRUCTION  
APPLICATIONS



GENERAL  
APPLICATIONS



HYGIENIC  
APPLICATIONS

# TABOREN-PH 41 C 40

## Storage and handling

**TABOREN-PH 41 C 40** 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 41 C 40** 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)	ISO 1133	g/10 min
	Density	ISO 1183-1	g/cm <sup>3</sup>
<b>Mechanical</b>	Tensile Strength at Yield	ISO 527	MPa
	Charpy Notched Impact Strength	ISO 179-1/1eA 23°C	KJ/m <sup>2</sup>
	Charpy Unnotched Impact Strength	ISO 179-1/1eU 23°C	KJ/m <sup>2</sup>
	Elongation at Break	ISO 527	%
	Flexural Modulus	ISO 178	MPa
<b>Thermal</b>	VICAT Softening Temperature	ISO 306 method A50	°C

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

3.0
1.12
22
4
55
70
2600
153





**AUTOMOTIVE  
APPLICATIONS**

---



AUTOMOTIVE  
APPLICATIONS

---



AUTOMOTIVE  
APPLICATION!

---



CONSTRUCTION  
APPLICATIONS

---



**CONSTRUCTION  
APPLICATIONS**

---



CONSTRUCTION  
APPLICATION!

---



GENERAL  
APPLICATIONS

---



GENERAL  
APPLICATIONS

---



GENERAL  
APPLICATION!

---



HYGIENIC  
APPLICATIONS



HYGIENIC  
APPLICATIONS



**HYGIENIC  
APPLICATION**



ES  
AUTOMOTIVE  
APPLICATIONS



AUTOMOTIVE  
APPLICATIONS



INS  
HYGIENIC  
APPLICATIONS



CONSTRUCTION  
APPLICATIONS



CONSTRUCTION  
APPLICATIONS



GENERAL  
APPLICATIONS



IS  
GENERAL  
APPLICATIONS



HYGIENIC  
APPLICATIONS