

# TABOREN PH 79 T 20 - 018



## Description

**TABOREN-PH 79 T 20-018** is a compound based on polypropylene homopolymer, filled with 20% of talc and stabilized by anti-oxidant + anti-detergent 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.



**AUTOMOTIVE  
APPLICATIONS**



**CONSTRUCTION  
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**GENERAL  
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**HYGIENIC  
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|                   | Properties                        | Test method            | Unit              | Typical value |
|-------------------|-----------------------------------|------------------------|-------------------|---------------|
| <b>Physical</b>   | Density                           | ISO 1183-1             | g/cm <sup>3</sup> | 1,05          |
|                   | Melt Flow Index (230°C / 2,16 kg) | ISO 1133               | g/10 min          | 14            |
| <b>Mechanical</b> | Tensile Strength at Yield         | ISO 527                | MPa               | 28            |
|                   | Elongation at Break               | ISO 527                | %                 | 8             |
|                   | Charpy Notched Impact Strength    | ISO 179-1/1eU<br>23°C  | KJ/m <sup>2</sup> | 3             |
|                   | Charpy Unnotched Impact Strength  | ISO 179-1/1eU<br>23°C  | KJ/m <sup>2</sup> | 27            |
|                   | VICAT Softening Temperature       | ISO 306<br>methode A50 | °C                | 155           |
|                   | Flexural Modulus                  | ISO 178                | MPa               | 2700          |

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

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## Processing Guidelines

**TABOREN-PH 79 T 20-018** is recommended to be pre-dried before processing. A guideline is to dry the grade at 80°C for 3 hrs.

**TABOREN-PH 79 T 20-018** 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



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## Storage and handling

**TABOREN-PH 79 T 20-018** 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 79 T 20-018** 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