

# TABOREN-PR 29 T 30 - 082



## Description

**TABOREN-PR 29 T 30-082** is a compound based on mixture of polypropylene block copolymer and polyolefin elastomer filled with 30% of talc, stabilized with a high 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 black colour.



**AUTOMOTIVE  
APPLICATIONS**



**CONSTRUCTION  
APPLICATIONS**



**GENERAL  
APPLICATIONS**



**HYGIENIC  
APPLICATIONS**

	Properties	Test method	Unit	Typical value
Physical	Melt Flow Index (230°C / 2,16 kg)	ISO 1133	g/10 min	0,6
	Density	ISO 1183-1	g/cm <sup>3</sup>	1,130
Mechanical	Tensile Strength at Yield	ISO 527	MPa	20
	Charpy Notched Impact Strenght	ISO 179-1/1eA 23°C	KJ/m <sup>2</sup>	35 P.B.
	Charpy Unnotched Impact Strenght	ISO 179-1/1eU 23°C	KJ/m <sup>2</sup>	N.B.
	Elongation at Break	ISO 527	%	190
	Flexural Modulus	ISO 178	MPa	1900
Thermal	VICAT Softening Temperature	ISO 306 method A50	°C	130

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

# TABOREN-PR 29 T 30 - 082



## Processing Guidelines

### Drying

**TABOREN-PR 29 T 30-082** is recommended to be pre-dried before processing. A guideline is to dry the grade at 80°C for 3 hrs.

### Machine Requirements:

**TABOREN-PR 29 T 30-082** 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-PR 29 T 30 - 082

## Storage and handling

**TABOREN-PR 29 T 30-082** 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-PR 29 T 30-082** 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 or see our web pages [www.silon.eu](http://www.silon.eu)

## Recycling

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



AUTOMOTIVE  
APPLICATIONS



CONSTRUCTION  
APPLICATIONS



GENERAL  
APPLICATIONS



HYGIENIC  
APPLICATIONS







	Properties	Test method	Unit	Typical value
<b>Physical</b>	Melt Flow Index (230°C / 2,16 kg)	ISO 1133	g/10 min	0.6
	Density	ISO 1183-1	g/cm <sup>3</sup>	1.13
<b>Mechanical</b>	Tensile Strength at Yield	ISO 527	MPa	20
	Charpy Notched Impact Strength	ISO 179-1/1eA 23°C	KJ/m <sup>2</sup>	30 P.B.
	Charpy Unnotched Impact Strength	ISO 179-1/1eU 23°C	KJ/m <sup>2</sup>	N.B.
	Elongation at Break	ISO 527	%	190
	Flexural Modulus	ISO 178	MPa	2100
<b>Thermal</b>	VICAT Softening Temperature	ISO 306 method A50	°C	130

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

**TABOREN-PR 29 T 30**





Physical	Melt Flow Index (230°C / 2,16 kg)	ISO 1133	g/10 min	0.6
	Density	ISO 1183-1	g/cm <sup>3</sup>	1.130
Mechanical	Tensile Strength at Yield	ISO 527	MPa	20
	Charpy Notched Impact Strength	ISO 179-1/1eA 23°C	KJ/m <sup>2</sup>	30 P.B.
	Charpy Unnotched Impact Strength	ISO 179-1/1eU 23°C	KJ/m <sup>2</sup>	N.B.
	Elongation at Break	ISO 527	%	190
	Flexural Modulus	ISO 178	MPa	2100
Thermal	VICAT Softening Temperature	ISO 306 method A50	°C	130

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

	MODUL TDS	MODUL naměřen v roce 2019
<b>TABOREN-PR 29 T 30</b>	2100	<b>1601</b>
<b>TABOREN-PR 29 T 30 -082</b>	1900	x





**AUTOMOTIVE  
APPLICATIONS**



AUTOMOTIVE  
APPLICATIONS



AUTOMOTIVE  
APPLICATIONS



**AUTOM  
APPLICA**



CONSTRUCTION  
APPLICATIONS



**CONSTRUCTION  
APPLICATIONS**



CONSTRUCTION  
APPLICATIONS



**HYGIE  
APPLICA**



GENERAL  
APPLICATIONS



GENERAL  
APPLICATIONS



GENERAL  
APPLICATIONS



CONSTRU  
APPLICA



HYGIENIC  
APPLICATIONS



HYGIENIC  
APPLICATIONS



**HYGIENIC  
APPLICATIONS**



GENE  
APPLICA

Vrubovka TDS	Vrubovka naměřeno
30.P.B.	46.6
35 P.B.	





IoTIVE  
ATIONS



AUTOMOTIVE  
APPLICATIONS



ENIC  
ATIONS



CONSTRUCTION  
APPLICATIONS



JCTION  
ATIONS



IRAL  
ATIONS



GENERAL  
APPLICATIONS





HYGIENIC  
APPLICATIONS

Properties		Test method	Unit	Typical value
Physical	Melt Flow Index (230°C / 2,16 kg)	ISO 1133	g/10 min	0.6
	Density	ISO 1183-1	g/cm <sup>3</sup>	1.130
Mechanical	Tensile Strength at Yield	ISO 527	MPa	20
	Charpy Notched Impact Strenght	ISO 179-1/1eA 23°C	KJ/m <sup>2</sup>	35 P.B.
	Charpy Unnotched Impact Strenght	ISO 179-1/1eU 23°C	KJ/m <sup>2</sup>	N.B.
	Elongation at Break	ISO 527	%	190
	Flexural Modulus	ISO 178	MPa	1900
Thermal	VICAT Softening Temperature	ISO 306 method A50	°C	130

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







**AUTOMOTIVE APPLICATIONS**



AUTOMOTIVE APPLICATIONS



AUTOMOTIVE APPLICATIONS



**AUTOMOTIVE APPLICATIONS**

AI  
AF



CONSTRUCTION APPLICATIONS



**CONSTRUCTION APPLICATIONS**



CONSTRUCTION APPLICATIONS



**HYGIENIC APPLICATIONS**

CO  
AF



GENERAL APPLICATIONS



GENERAL APPLICATIONS



GENERAL APPLICATIONS



CONSTRUCTION APPLICATIONS

AF



HYGIENIC APPLICATIONS



HYGIENIC APPLICATIONS



**HYGIENIC APPLICATIONS**



GENERAL APPLICATIONS

AP



UTOMOTIVE  
PPLICATIONS

---



INSTRUCTION  
PPLICATIONS

---



GENERAL  
PPLICATIONS

---



HYGIENIC  
PPLICATIONS

<b>Physical</b>	Melt Flow Index (230°C / 10 min)	ISO 1133	g/10 min	0.6
<b>Mechanical</b>	Tensile Strength at Yield	ISO 527	MPa	20
	Charpy Notched Impact Strength	ISO 179-1/1eA 23°C	KJ/m <sup>2</sup>	30 P.B.
	Charpy Unnotched Impact Strength	ISO 179-1/1eU 23°C	KJ/m <sup>2</sup>	N.B.
	Elongation at Break	ISO 527	%	190
	Flexural Modulus	ISO 178	MPa	2100
<b>Thermal</b>	VICAT Softening Temperature	ISO 306 method A50	°C	130

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