

# TABOREN-PC 32 G 20

## Description

**TABOREN-PC 32 G 20** is a compound based on polypropylene random copolymer filled with 20% of short glass fibres, stabilized with a standard antioxidant additive package. It is suitable for extrusion of three-layer pressure pipes for drinking water distribution with stress put on excellent mechanical properties. The grade is available in natural colour.



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Physical	Melt Flow Index (230°C / 5 kg)	ISO 1133	g/10 min	1
	Density	ISO 1183-1	g/cm <sup>3</sup>	1,04
Mechanical	Tensile Strength at Yield	ISO 527	MPa	52
	Charpy Notched Impact Strength	ISO 179-1/1eA 23°C	KJ/m <sup>2</sup>	12
	Charpy Unnotched Impact Strength	ISO 179-1/1eU 23°C	KJ/m <sup>2</sup>	45
	Elongation at Break	ISO 527	%	6
	Flexural Modulus	ISO 178	MPa	2800
Thermal	VICAT Softening Temperature	ISO 306 method A50	°C	140
Flammability	Flame Rating UL	UL 94	°C	HB

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

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## Processing Guidelines

### Drying

**TABOREN-PC 32 G 20** 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 32 G 20** 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 glass.

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



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## Storage and handling

**TABOREN-PC 32 G 20** 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-PC 32 G 20** 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.



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