

TABOREN-PC 62 G 20-071

Description

TABOREN-PC 62 G 20-071 is a compound based on polypropylene copolymer filled with 20% of short glass fiber, stabilized with a basic antioxidant package. It is designed for injection moulding technology and used 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	8,0
	Density	ISO 1183-1	g/cm ³	1,050
Mechanical	Tensile Strength at Yield	ISO 527	MPa	60
	Charpy Notched Impact Strength	ISO 179-1/1eA 23°C	KJ/m ²	15
	Charpy Unnotched Impact Strength	ISO 179-1/1eU 23°C	KJ/m ²	50
	Elongation at Break	ISO 527	%	5
	Flexural Modulus	ISO 178	MPa	3200
Thermal	VICAT Softening Temperature	ISO 306 method A5D	°C	160

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

Processing Guidelines

Drying

TABOREN-PC 62 G 20-071 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 62 G 20-071 can be processed without problems on standard 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-PC 62 G 20-071 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 62 G 20-071 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 cleaning.



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	8.0
	Density	ISO 1183-1	g/cm ³	1.050
Mechanical	Tensile Strength at Yield	ISO 527	MPa	60
	Charpy Notched Impact Strength	ISO 179-1/1eA 23°C	KJ/m ²	15
	Charpy Unnotched Impact Strength	ISO 179-1/1eU 23°C	KJ/m ²	50
	Elongation at Break	ISO 527	%	5
	Flexural Modulus	ISO 178	MPa	3200
Thermal	VICAT Softening Temperature	ISO 306 method A50	°C	160

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

PARAMETR	JEDNOTKA	MIN	MAX	METODA	NAMĚŘENÁ HODNOTA
Hodnocení barvy granulátu			2	IPN-ZP300CH-3-5-29	1
Hodnocení vzhledu granulátu			2	IPN-ZP300CH-3-5-30	1
Index toku taveniny - MFR (230°C/2,16kg)	g/10min	7,00	11,00	IPN-ZP300CH-3-5-3(ISO1133)	7,86
Obsah plniva popele	%	20,00	24,00	IPN-ZP300CH-3-5-1	23,4
Obsah těkavých látek	%		0,10	IPN-ZP300CH-3-5-5	0,06

Periodická kontrola kvality garantovaných parametrů

PARAMETR	JEDNOTKA	MIN	MAX	METODA	NAMĚŘENÁ HODNOTA
Hustota	g/cm ³	1,03	1,08	IPN-ZP300CH-3-5-4(ISO1183)	1,0585
Modul pružnosti v ohybu	Mpa	2900,00		IPN-ZP300CH-3-5-18(ISO178)	3109
Napětí na mezi kluzu v tahu	Mpa	50,00		IPN-ZP300CH-3-5-11(ISO527)	52,42
Rázová houževnatost Charpy při 23C	kJ/m ²	42,00		IPN-ZP300CH-3-5-10(ISO179-1)	58,77
Tepelná odolnost dle VICATA A (10N)	C	157,00		IPN-ZP300CH-3-5-17(ISO306)	159,1
Vzbuňová houževnatost Charpy při 23C	kJ/m ²	5,00		IPN-ZP300CH-3-5-10(ISO179-1)	21,06

VIŠŪŲIA ĮMŪZGVIKAIŲSI ČIAIPI PII ŽŪŲ	KŲ/IIIŽ	3,00		IIIN-ZI 3000113-3-10(1301/7-1)	21,00
--------------------------------------	---------	------	--	--------------------------------	-------



**AUTOMOTIVE
APPLICATIONS**



AUTOMOTIVE
APPLICATIONS

AL
AP



CONSTRUCTION
APPLICATIONS



**CONSTRUCTION
APPLICATIONS**

COI
AP



GENERAL
APPLICATIONS



GENERAL
APPLICATIONS

AP



HYGIENIC
APPLICATIONS



HYGIENIC
APPLICATIONS

API



GENERAL APPLICATIONS



AUTOMOTIVE APPLICATIONS



AUTOMOTIVE APPLICATIONS



GENERAL APPLICATIONS



HYGIENIC APPLICATIONS



CONSTRUCTION APPLICATIONS



GENERAL APPLICATIONS



CONSTRUCTION APPLICATIONS



GENERAL APPLICATIONS



HYGIENIC APPLICATIONS



GENERAL APPLICATIONS



HYGIENIC APPLICATIONS