

PBT black with 30% glass fibre reinforcement, generally used for pieces with very good mechanical properties in conjunction with good injection behaviour, for general industry.

TECHNICAL DATA SHEET

	STANDARD	UNIT	DRY	CONDITIONED
GENERALS	Density	ISO 1183	gr/cm ³	1,54
	Melt Flow Index	ISO 1133	gr/10 min.	-
	Humidity Pelets	ISO 1110	%	0,2
	Hardness	SHORE D	Points	80
	Mold Shrinkage	-	%	~0,4

	STANDARD	UNIT	DRY	CONDITIONED
MECHANICAL	Tensile Strenght	ISO 527	N/mm ²	130
	Elogantion at break	ISO 527	%	3
	Tensile Modulus	ISO 527	N/mm ²	9500
	Charpy Impact	23 °C ISO 179	Kj/m ²	62
		-40 °C ISO 179	Kj/m ²	-
	Charpy Impact	23 °C ISO 179	Kj/m ²	7
-40 °C ISO 179		Kj/m ²	-	

	STANDARD	UNIT	DRY	CONDITIONED
ELECTRICAL	Surface Resistivity	IEC 93	Ohm	10 ¹⁵
	Dielectric strength	IEC 243	Kv/mm	28
	Tracking index (C.T.I.)	IEC 112	Kv/mm	-

	STANDARD	UNIT	DRY	CONDITIONED
THERMAL	Deflection Temp. Under Load	0,4 N ISO 75/A	°C	210
		(H.D.T.)	1,8 N ISO 75/A	°C
	VICAT Temperatura	ISO 306	°C	210

- The values provided in this data sheet correspond to our knowledge. All products must be subjected to in company test by the user before application.
- These datas do not release you from the obligation to test our products as to their suitability for the intended processes and final use.
- These data may not valid such material used in combination with any other materials or additives or in- any process.
- Triesa assumes no liability and makes no warranties of any kind, expressed or implied how to use this information data.
- UL measurements are done in our lab according to this norm.

V3.00/2021

	STANDARD	UNIT	DRY	CONDITIONED
OTHERS	UL - Flammability	UL-94	-	HB
	Glow Wire	IEC 695	°C	-
	Fammability speed	FMV 302	mm/min.	<100
	Ashes	Triesa Test	%	~30
	Water absorption (24h)	ISO 62	%	-
	Heat Stabilized			YES

RECOMMENDED VALUES

PROCESSING	Drying Material	3h - 4h 110°C
	Mold. Temperature	70°C-90°C
	Processing Temperature	235°C-250°C
	Back Temperature	235°C-240°C
	Middle Temperature	245°C-250°C
	Nozzle Temperature	250°C-255°C
	Hold Pressure	40 - 70 Mpa

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SOURCE: Triesa Quality Control; Last update: 10/05/2020