TRIESA

BESTNYL®

SI30VI02BF

TECHNICAL DATA SHEET

Polyamide 6 30% glass fibre and glass beads reinforcement black, lubricated and UV Stabilized for Injection moulding grade.

		STANDARD	UNIT	DRY	CONDITIONED
GENERALS	Density	ISO 1183	gr/cm³	1,36	
	Melt Flow Index	ISO 1133	gr/10 min.	-	
	Humidity Pelets	ISO 1110	%	0,2	
	Hardness	SHORE D	Points	78	
	Mold Shrinkage	-	%	-	

		STANDARD	UNIT	DRY	CONDITIONED
MECHANICAL	Tensile Strenght	ISO 527	N/mm²	120	
	Elogantion at break	ISO 527	%	4	
	Tensile Modulus	ISO 527	N/mm²	5800	
	Charpy Impact	23 °C ISO 179	Kj/m²	55	
		-40 °C ISO 179	Kj/m²	-	
	Charpy Impact	23 °C ISO 179	Kj/m²	6,5	
		-40 °C ISO 179	Kj/m²	-	

		STANDARD	UNIT	DRY	CONDITIONED
ELECTRICAL	Surface Resistivity	IEC 93	Ohm	10^13	
	Dielectric strength	IEC 243	Kv/mm	40	
	Tracking lindex (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	190	
	VICAT Temperatura	ISO 306	°C	>200	

- 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.

		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	%	-	
	UV Stabilized			YES	

	RECOMMENDED VALUES	
PROCESSING	Drying Material	2h - 4h 110°C
	Mold. Temperature	70°C-90°C
	Processing Temperature	230°C-245°C
	Back Temperature	225°C-235°C
	Middle Temperature	240°C-245°C
	Nozzle Temperature	245°C-250°C
	Hold Pressure	60 - 90 Mpa

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SOURCE: Triesa Quality Control; Last update: 12/05/2020

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