

BESTNYL ECO®

SI 15VI02BNHR

Polyamide 6 black lubricated with 15% glass fibre reinforcement and heat stabilized. Is a compounding with high quality recycled PA 6, for sectors looking for quality materials with ecofriendly environment.

TECHNICAL DATA SHEET

	STANDARD	UNIT	DRY	CONDITIONED
GENERALS	Density	ISO 1183	gr/cm ³	1,24
	Melt Flow Index	ISO 1133	gr/10 min.	-
	Humidity Pelets	ISO 1110	%	0,2
	Hardness	SHORE D	Points	79
	Mold Shrinkage	-	%	~0,5

	STANDARD	UNIT	DRY	CONDITIONED	
MECHANICAL	Tensile Strength	ISO 527	N/mm ²	105	-
	Elongation at break	ISO 527	%	4	-
	Tensile Modulus	ISO 527	N/mm ²	5200	-
	Charpy Impact	23 °C ISO 179	Kj/m ²	35	-
		-40 °C ISO 179	Kj/m ²	-	-
	Charpy notched Impact	23 °C ISO 179	Kj/m ²	6	-
-40 °C ISO 179		Kj/m ²	-	-	

	STANDARD	UNIT	DRY	CONDITIONED
ELECTRICAL	Surface Resistivity	IEC 93	Ohm	10 ^{^13}
	Dielectric strength	IEC 243	Kv/mm	35
	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	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.

V9.00/2021

	<i>STANDARD</i>	<i>UNIT</i>	<i>DRY</i>	<i>CONDITIONED</i>
OTHERS	UL - Flammability	UL-94	-	HB
	Glow Wire	IEC 695	°C	-
	Fammability speed	FMV 302	mm/min.	<100
	Ashes	Triesa Test	%	15 +/-3
	Water absorption (24h)	ISO 62	%	-
	Heat Stabilized			YES

RECOMMENDED VALUES

PROCESSING	Drying Material	2h - 4h 110°C-120°C
	Mold. Temperature	60°C-90°C
	Processing Temperature	225°C-245°C
	Back Temperature	230°C-240°C
	Middle Temperature	235°C-245°C
	Nozzle Temperature	240°C-255°C
	Hold Pressure	60 - 100 Mpa

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