

# BESTNYL ECO®

SE50VI02AHR

**Polyamide 6.6 black lubricated with 50% glass fibre reinforcement and heat stabilized. Is a compounding with high quality recycled PA 66, for sectors looking for quality materials with ecofriendly environment.**

TECHNICAL DATA SHEET

	STANDARD	UNIT	DRY	CONDITIONED	
GENERALS	Density	ISO 1183	gr/cm <sup>3</sup>	1,57	-
	Melt Flow Index	ISO 1133	gr/10 min.	-	-
	Humidity Pelets	ISO 1110	%	0,2	-
	Hardness	SHORE D	Points	81	-
	Melting Temperature	ISO 11357-1	°C	260	-
	Mold Shrinkage	-	%	~0,3	-

	STANDARD	UNIT	DRY	CONDITIONED	
MECHANICAL	Tensile Strength	ISO 527	N/mm <sup>2</sup>	185	130
	Elongation at break	ISO 527	%	3	5
	Tensile Modulus	ISO 527	N/mm <sup>2</sup>	14900	11500
	Flexural Modulus	ISO 178	N/mm <sup>2</sup>	14000	-
	Charpy Impact	23 °C ISO 179	Kj/m <sup>2</sup>	70	85
		-40 °C ISO 179	Kj/m <sup>2</sup>	-	-
	Charpy notched Impact	23 °C ISO 179	Kj/m <sup>2</sup>	11	16
-40 °C ISO 179		Kj/m <sup>2</sup>	-	-	

	STANDARD	UNIT	DRY	CONDITIONED	
ELECTRICAL	Surface Resistivity	IEC 93	Ohm	10 <sup>13</sup>	-
	Dielectric strength	IEC 243	Kv/mm	35	-
	Tracking index (C.T.I.)	IEC 112	Kv/mm	450	-

	STANDARD	UNIT	DRY	CONDITIONED	
THERMAL	Deflection Temp. Under Load	0,4 N ISO 75/A	°C	255	-
	(H.D.T.)	1,8 N ISO 75/A	°C	240	-
	VICAT Temperatura	ISO 306	°C	>250	-

- 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	%	50+-3	-
	Water absorption (24h)	ISO 62	%	~0,6	-
	Heat Stabilized			YES	-

RECOMMENDED VALUES

PROCESSING	Drying Material	2h - 4h 100°C-120°C
	Mold. Temperature	80°C-90°C
	Processing Temperature	280°C-290°C
	Back Temperature	265°C-275°C
	Middle Temperature	275°C-295°C
	Nozzle Temperature	280°C-295°C
	Hold Pressure	70 - 110 Mpa

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