TECHNICAL DATA SHEET

TRIESA

BESTNYL **SI00VI01BE**

Polyamide 6 natural extrution or high viscosity, appropriate for pieces extruded or injected, generally used in plastic tubes, bars and other technical pieces.

	Standard	Unit	Values	
			Dry	**Conditioned**
Generals				
Density	ISO 1183	gr /cm3	1,13	-
Melt Flow Index	ISO 1133	gr /10 min.	3	-
Humidity Pelets	ISO 1110	%	0,2	-
Rockwell	Scale R	Points	119	-
Mold Shrinkage	-	%	~1,1	-
Mechanical			**Dry**	**Conditioned**
Tensile Strenght	ISO 527	N /mm2	75	-
Elogantion at break	ISO 527	%	>50	-
Tensile Modulus	ISO 527	N /mm2	2800	-
Charpy Impact	23 ºC ISO 179	Kj / m2	NB	-
	-20 ºC ISO 179	Kj / m2	-	-
Charpy notched Impact				
	23 ºC ISO 179	Kj / m2	6	-
	-20 ºC ISO 179	Kj / m2	-	-
Electrical			**Dry**	**Conditioned**
Surface Resistivity	IEC 93	Ohm	10^15	-
Dielectric strenght	IEC 243	Kv / mm	-	-
Tracking Iindex (C.T.I.)	IEC 112	Kv / mm	-	-
Thermal			**Dry**	**Conditioned**
Deflection Temp.Under Load	0,4 N ISO 75 /A	ºC	185	-
(H.D.T.)	1,8 N ISO 75 /A	ºC	70	-
VICAT Temperature	ISO 306	ºC	>200	-
Others			**Dry**	**Conditioned**
UL-94 Flammability	UL-94	-	HB	-
Glow Wire	IEC 695	ºC	-	-
Flammability speed	FMV 302	mm / min.	<100	-
Ashes	Triesa Test	%	-	-
Water absorption (24h)	ISO 62	%	~1,3	-
Lubrificated			YES	-
Processing				
Drying Material	2h - 4h 90 ºC			
Mold. Temperature	40 ºC - 60 ºC			
Processing Temperature	230 ºC - 255 ºC			

-This values provided in this data sheet corresponds to our Knowledge. All products must be subjected to in company test by the user before application

-These data may not valid such material used in combination with any other materials or additives or in any process

- UL mesurements are doing in our lab according this norm

Source: Triesa Quality Control, Last Update: 22/02/2012

Please contact with us for any other Information.

ISO 9001 BUREAU VERITAS Certification