TECHNICAL DATA SHEET

TRIESA

BESTNYL SI00VI12BWX

Polyamide 6 grey lubrified with V-0 free halogen quality, normally used in electrical appliances, for its easy injection and mould release as well as its excellent flame resistance.

	Standard	Unit	Values	
Generals			**Dry**	**Conditioned**
Density	ISO 1183	gr /cm3	1,16	-
Melt Flow Index	ISO 1133	gr /10 min.	-	-
Humidity Pelets	ISO 1110	%	0,2	-
Hardness	SHORE D	Points	78	-
Mold Shrinkage	-	%	~1	-
Mechanical			**Dry**	**Conditioned**
Tensile Strenght	ISO 527	N /mm2	80	-
Elogantion at break	ISO 527	%	15	-
Tensile Modulus	ISO 527	N /mm2	3700	-
Charpy Impact	23 ºC ISO 179	Kj / m2	85	-
	-40 ºC ISO 179	Kj / m2	-	-
Charpy notched Impact				
	23 ºC ISO 179	Kj / m2	4	-
	-40 ºC ISO 179	Kj / m2	-	-
Electrical			**Dry**	**Conditioned**
Surface Resistivity	IEC 93	Ohm	10^15	-
Dielectric strenght	IEC 243	Kv / mm	36	-
Tracking Iindex (C.T.I.)	IEC 112	Kv / mm	-	-
Thermal			**Dry**	**Conditioned**
Deflection Temp.Under Load	0,4 N ISO 75 /A	ºC	200	-
(H.D.T.)	1,8 N ISO 75 /A	ºC	75	-
VICAT Temperature	ISO 306	ºC	-	-
Others			**Dry**	**Conditioned**
UL-94 Flammability	UL-94	-	V-0	-
Glow Wire	IEC 695	ºC	-	-
Flammability speed	FMV 302	mm / min.	<100	-
Ashes	Triesa Test	%	-	-
Water absorption (24h)	ISO 62	%	1,1	-
Flame retardant			YES	-
Processing				
Drying Material	2h - 4h 90 ºC			
Mold. Temperature	50 ºC - 60 ºC			
Processing Temperature	225 ºC - 235 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

Triesa Poliamidas S.A.

ISO 9001 BUREAU VERITAS Certification