

BESTDUR THG3 /01

PBT natural lubricated with 15% glass fibre reinforcement, for pieces that require good technical and mechanical properties, applied to any injection piece.

	Standard	Unit	Values	
			Dry	Conditioned
Generals				
Density	ISO 1183	gr /cm3	1,42	-
Melt Flow Index	ISO 1133	gr /10 min.	-	-
Humidity Pelets	ISO 1110	%	0,2	-
Hardness	SHORE D	Points	80	-
Mold Shrinkage	-	%	-	-
Mechanical				
Tensile Strength	ISO 527	N /mm2	96	-
Elongation at break	ISO 527	%	3	-
Tensile Modulus	ISO 527	N /mm2	7000	-
Charpy Impact	23 °C ISO 179	Kj / m2	43	-
	-40 °C ISO 179	Kj / m2	-	-
Charpy notched Impact	23 °C ISO 179	Kj / m2	4	-
	-40 °C ISO 179	Kj / m2	-	-
Electrical				
Surface Resistivity	IEC 93	Ohm	10 ¹⁵	-
Dielectric strength	IEC 243	Kv / mm	30	-
Tracking index (C.T.I.)	IEC 112	Kv / mm	-	-
Thermal				
Deflection Temp.Under Load (H.D.T.)	0,4 N ISO 75 /A	°C	210	-
	1,8 N ISO 75 /A	°C	195	-
VICAT Temperature	ISO 306	°C	215	-
Others				
UL-94 Flammability	UL-94	-	HB	-
Glow Wire	IEC 695	°C	-	-
Flammability speed	FMV 302	mm / min.	<100	-
Ashes	Triesa Test	%	15	-
Water absorption (24h) Lubrificated	ISO 62	%	~0,1	-
			YES	-
Processing				
Drying Material	2h - 4h 100 °C			
Mold. Temperature	70 °C - 80 °C			
Processing Temperature	245 °C - 260 °C			

-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 measurements are doing in our lab according this norm