

**BESTPOLUX PCG2**

*Polycarbonate lubricated with 10% glass fibre reinforcement.*

	Standard	Unit	Values	
			Dry	Conditioned
<b>Generals</b>				
Density	ISO 1183	gr /cm3	1,27	-
Melt Flow Index	ISO 1133	gr /10 min.	-	-
Humidity Pelets	ISO 1110	%	0,2	-
Hardness	SHORE D	Points	-	-
Mold Shrinkage	-	%	~0,35	-
<b>Mechanical</b>				
Tensile Strenght	ISO 527	N /mm2	80	-
Elogantion at break	ISO 527	%	6	-
Tensile Modulus	ISO 527	N /mm2	3300	-
Charpy Impact	23 °C ISO 179	Kj / m2	NB	-
	-40 °C ISO 179	Kj / m2	NB	-
Charpy notched Impact	23 °C ISO 179	Kj / m2	12,5	-
	-40 °C ISO 179	Kj / m2	-	-
<b>Electrical</b>				
Surface Resistivity	IEC 93	Ohm	<10 <sup>15</sup>	-
Dielectric strenght	IEC 243	Kv / mm	-	-
Tracking lindex ( C.T.I.)	IEC 112	Kv / mm	-	-
<b>Thermal</b>				
Deflection Temp.Under Load (H.D.T.)	0,4 N ISO 75 /A	°C	150	-
	1,8 N ISO 75 /A	°C	145	-
VICAT Temperature	ISO 306	°C	>145	-
<b>Others</b>				
UL-94 Flammability	UL-94	-	V-0	-
Glow Wire	IEC 695	°C	-	-
Flammability speed	FMV 302	mm / min.	<100	-
Ashes	Triesa Test	%	-	-
Water absorption (24h)	ISO 62	%	~0,12	-
Heat Stabilized			YES	-
<b>Processing</b>				
Drying Material	2h - 4h 120 °C			
Mold. Temperature	80 °C - 90 °C			
Processing Temperature	260 °C - 280 °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 mesurements are doing in our lab according this norm