

BESTPOLUX PCG2X /01

Polycarbonate natural lubricated with 10% glass fibre reinforcement and V-0 quality.

	Standard	Unit	Values	
			Dry	Conditioned
Generals				
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	-
Mechanical			Dry	Conditioned
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	8,5	-
	-40 °C ISO 179	Kj / m2	-	-
Electrical			Dry	Conditioned
Surface Resistivity	IEC 93	Ohm	<10 ¹⁵	-
Dielectric strenght	IEC 243	Kv / mm	-	-
Tracking index (C.T.I.)	IEC 112	Kv / mm	-	-
Thermal			Dry	Conditioned
Deflection Temp.Under Load	0,4 N ISO 75 /A	°C	150	-
(H.D.T.)	1,8 N ISO 75 /A	°C	145	-
VICAT Temperature	ISO 306	°C	>145	-
Others			Dry	Conditioned
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	-
Processing				
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