

BESTPOLUX PCU /02

Polycarbonate black, Low Viscosity, Lubricated and UV Stabilized for Injection Molding Grade

	Standard	Unit	Values	
			Dry	Conditioned
Generals				
Density	ISO 1183	gr /cm3	1,2	-
Melt Flow Index	ISO 1133	gr /10 min.	~22	-
Humidity Pelets	ISO 1110	%	0,2	-
Hardness	SHORE D	Points	-	-
Mold Shrinkage	-	%	~0,6	-
Mechanical				
Tensile Strenght	ISO 527	N /mm2	62	-
Elogantion at break	ISO 527	%	>80	-
Tensile Modulus	ISO 527	N /mm2	2200	-
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	19	-
	-40 °C ISO 179	Kj / m2	-	-
Electrical				
Surface Resistivity	IEC 93	Ohm	<10^15	-
Dielectric strenght	IEC 243	Kv / mm	18	-
Tracking index (C.T.I.)	IEC 112	Kv / mm	250	-
Thermal				
Deflection Temp.Under Load	0,4 N ISO 75 /A	°C	140	-
(H.D.T.)	1,8 N ISO 75 /A	°C	135	-
VICAT Temperature	ISO 306	°C	145	-
Others				
UL-94 Flammability	UL-94	-	V-2	-
Glow Wire	IEC 695	°C	-	-
Flammability speed	FMV 302	mm / min.	<100	-
Ashes	Triesa Test	%	-	-
Water absorption (24h)	ISO 62	%	~0,24	-
UV 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