

BESTPOLUX ECO

PCG4XR

Polycarbonate with 20% glass fibre reinforcement and V-0. Is a compounding with high quality recycled PC/ABS, for sectors looking for quality materials with ecofriendly environment.

TECHNICAL DATA SHEET

		STANDARD	UNIT	DRY	CONDITIONED
GENERALS	Density	ISO 1183	gr/cm ³	1,35	-
	Melt Flow Index	ISO 1133	gr/10 min.	-	-
	Humidity Pelets	ISO 1110	%	0,2	-
	Hardness	SHORE D	Points	80	-
	Mold Shrinkage	-	%	-	-

		STANDARD	UNIT	DRY	CONDITIONED
MECHANICAL	Tensile Strength	ISO 527	N/mm ²	100	-
	Elongation at break	ISO 527	%	5	-
	Tensile Modulus	ISO 527	N/mm ²	4900	-
	Charpy Impact	23 °C ISO 179	Kj/m ²	70	-
		-40 °C ISO 179	Kj/m ²	-	-
	Charpy notched Impact	23 °C ISO 179	Kj/m ²	9	-
-40 °C ISO 179		Kj/m ²	-	-	

		STANDARD	UNIT	DRY	CONDITIONED
ELECTRICAL	Surface Resistivity	IEC 93	Ohm	<10 ¹³	-
	Dielectric strength	IEC 243	Kv/mm	-	-
	Tracking index (C.T.I.)	IEC 112	Kv/mm	-	-

		STANDARD	UNIT	DRY	CONDITIONED
THERMAL	Deflection Temp. Under Load	0,4 N ISO 75/A	°C	145	-
	(H.D.T.)	1,8 N ISO 75/A	°C	140	-
	VICAT Temperatura	ISO 306	°C	-	-

- The values provided in this data sheet correspond to our knowledge. All products must be subjected to in company test by the user before application.
- These datas do not release you from the obligation to test our products as to their suitability for the intended processes and final use.
- These data may not valid such material used in combination with any other materials or additives or in- any process.
- Triesa assumes no liability and makes no warranties of any kind, expressed or implied how to use this information data.
- UL measurements are done in our lab according to this norm.

V3.00/2021

		STANDARD	UNIT	DRY	CONDITIONED
OTHERS	UL - Flammability	UL-94	-	V-0	-
	Glow Wire	IEC 695	°C	-	-
	Fammability speed	FMV 302	mm/min.	<100	-
	Ashes	Triesa Test	%	~20	-
	Water absorption (24h)	ISO 62	%	-	-
	Lubricated			YES	-

RECOMMENDED VALUES

PROCESSING	Drying Material	2h - 4h 120°C
	Mold. Temperature	70°C-90°C
	Processing Temperature	260°C-280°C
	Back Temperature	245°C-255°C
	Middle Temperature	260°C-270°C
	Nozzle Temperature	275°C-280°C
	Hold Pressure	70 - 110 Mpa

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SOURCE: Triesa Quality Control; Last update: Jan 2022