



Technical Data Sheet PC V2 (GEPAX)

Feedstock: Polycarbonate *for in- and outside application*

Mechanical properties:

very high dielectric strength

Green density ¹	ISO 1183	≈ 1,2	g/cm ³
Yield stress	ISO 527	55	(MPa) N/mm ²
Expansion at yield stress	ISO 527	100	%
Impact Charpy +23°C notched	ISO179	-	kJ/m ²
Impact Charpy -30°C notched	ISO179	-	kJ/m ²

¹ This value can slightly vary as a result of pigmentation or addition.

Thermal properties:

Permanent service temperature		-30/+110	°C
Vicat Softening Point B/50	ISO 306	135	°C
Heat Distortion Temperature (A)	ISO 75		°C
Thermal conductivity	ASTM C177	0,2	W/mK

Electrical properties:

Specific volume resistivity	DIN EN 61340-5-1	>10 ¹⁴	Ωcm
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Chemical resistance:

- Resistant: mineral oils, greases, aliphatic hydrocarbons and acids under low or moderate stress levels
- Conditional: check aggressive chemicals in aptitude tests

Inflammability support material:

Flammability rating	UL 94	V2	
UL file number	E45329		
Glow wire test 850 °C	IEC 695-2-1	3mm	passed

Current state: 27.11.2017



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Designation in technical drawings:

Gepax 2403 fein ähnl. RAL 9004

Gepax = manufacturer's description
2403 = colour (24, black) and thickness (3mm)
fein = texture (fine)

Colours/Structures:

N°	Colour	2mm	3mm	4mm	6mm
Gepax 04	traffic grey A similar RAL7042		X	X	
Gepax 24	traffic black similar RAL9004	X	X	X	X

GE = fine textured

Printability: conditional printable