

Technical Data Sheet PC V0

Feedstock: polycarbonate

Mechanical properties:

very high dielectric strength, almost unbreakable

Green density ¹	ISO 1183	≈ 1,2	g/cm ³
Yield stress	ISO 527	> 60	(MPa) N/mm ²
Expansion at yield stress	ISO 527	-	%
Impact Charpy +23°C notched	ISO179	70-80P	kJ/m ²

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

Thermal properties:

Permanent service temperature		115	°C
Vicat Softening Point B/50	ISO 306	146-148	°C
Heat Distortion Temperature (A)	ISO 75	127	°C
Thermal conductivity	ASTM C177	0,2	W/mK

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Electrical properties:

Specific volume resistivity	DIN EN 61340-5-1	10 ¹⁴	Ωcm
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Chemical resistance (PC in general):

resistant ² :	diluted acids; some oils and fats; ethanol
not resistant ² :	bases; aromatic und halogenated hydrocarbons; ketones; esters

²Kunststoffe.de

Current state: 27.11.2017

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Inflammability support material:

Flammability rating	UL 94	V0 (≥2mm)
UL file number	E41613	
Glow wire test 650 °C	IEC 695-2-1	-

Designation in technical drawings:

PC Makrolon farbl. 099 FR 3mm

PC	= material (polycarbonate)
Makrolon	= manufacturer's description
farbl.	= colourless
099 FR	= manufacturer's description
3mm	= thickness

	3mm	5mm
PC Makrolon® V0 transparent (FR99)	X	X

More thicknesses on request!

Printability: printable

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