



Technical data for Gibo Plast A/S **PC**

[CAS nr.: 25037-45-0](#)

Listed data is the minimum requirements for the all products in that specific kategori, PC, PC UVP and RPC, unless marked with (Max).  
Data with a tolerance is marked by(±X%). All products are extruded.

#### GENERAL

Property	Method	Unit	PC	PC UVP	RPC
Density (±3%)	ISO 1183	g/cm <sup>3</sup>	1.2	1.2	1.2
Water absorption (Max)	DIN EN ISO 62 Method 1	%	0.20	0.15	-
Ball indentation hardness	ISO 2039-1	MPa	100	130	130

#### MECHANICAL

Property	Method	Unit	PC	PC UVP	RPC
Tensile strength	ISO 527-2	MPa	50	60	60
Elongation at break	ISO 527-2	%	80	80	50
Tensile modulus	ISO 527-2	MPa	2200	2200	2300
Flexural strength	ISO 178	MPa	95	95	90
Flexural modulus	ISO 178	MPa	2200	2300	2300
Impact strength @23 °C (Charpy unnotched)	ISO 179-1	KJ/m <sup>2</sup>	No break	No break	No break
Impact strength @23 °C (Charpy notched)	ISO 179-1	KJ/m <sup>2</sup>	10	10	10

#### THERMAL

Property	Method	Unit	PC	PC UVP	RPC
Vicat temperature (B 50) (±1%)	ISO 306	°C	146	146	-
Service temperature (Continuous use)	-	°C	100	115	115
Max. temperature (Short term use)	-	°C	125	130	120

#### OPTICAL

Property	Method	Unit	PC	PC UVP	RPC
Light transmission	DIN 5036-3/ EN ISO 13468-2	%	86	86	-

Gibo Plast A/S | Ferrodanvej 14 | DK-6900 Skjern | Tlf: +45 8782 8700 | Fax: +45 8725 1110 | E-mail: [post@giboplast.com](mailto:post@giboplast.com)

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