



Technical data for Gibo Plast A/S

PC/ABS

[CAS: 9003-56-9](#)

Listed data is the minimum requirements for the all products in that specific kategori, PC/ABS-MTR, PC/ABS-3030 and PC/ABS-T65, unless marked with (Max).
Data with a tolerance is marked by(±X%). All products are extruded.

GENERAL

Property	Method	Unit	PC/ABS - MTR	PC/ABS-3030	PC/ABS-T65
Density (±2,5%)	ISO 1183	g/cm ³	1.3	1.18	1.13
Water absorption (Max)	DIN EN ISO 62 Method 1	%	0.5	0.5	0.7

MECHANICAL

Property	Method	Unit	PC/ABS - MTR	PC/ABS-3030	PC/ABS-T65
Stretching tension	ISO 527-2/1	MPa	63	69	52
Elongation at yield stress	ISO 527-2/1	%	4	5	4.2
Elongation at break	ISO 527-2/1	%	20	50	50
Modulus of elasticity	ISO 527-2/1	MPa	3800	2700	2200
Impact strenght (Izod @ 23°C)	ISO 180/1A	KJ/m ²	10	40	45
Impact strenght (Izod @ -30°C)	ISO 180/1A	KJ/m ²	7	10	41

THERMAL

Property	Method	Unit	PC/ABS - MTR	PC/ABS-3030	PC/ABS-T65
Vicat temperature (B 50) (±1%)	ISO 306B	°C	109	115	120
Max. temperature (Short term use)	-	°C	-	-	105

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

FIRE CLASSIFICATIONS

PC/ABS - MTR

Applicationarea	Standard	Country	Classification
Railroad	Din 5510-2	Germany	S-4/SR-2/ST-2
	NF P 92-501, 504,-505	France	M1
		France	F1
Eletrical & Electronics	UL94	USA	V-0 (1,5mm)
	UL 94-5V	USA	5VB (2,0mm)
	UL 94-5V	USA	5VA (3,0mm)
	IEC 60695-2-12	Europa	GWFI = 960 °C
	IEC 60695-2-13	Europa	GWIT = 850 °C
	DIN/VDE 0471 (815)	Germany	0,1 % F, 0,2% Cl, Br, I
Construction	DIN 4102-1	Germany	B1 (burning drops) 2,5mm

PC/ABS - 3030

Applicationarea	Standard	Country	Classification
Railroad	Din 5510-2	Germany	S-4/SR-2/ST-2
	NF P 92-501,-503,-504,-505	France	M1
		France	F2
Eletrical & Electronics	UL94	USA	V-0 (1,5mm)
	UL 94-5V	USA	5VB (2,0mm)
	UL 94-5V	USA	5VA (3,0mm)
	IEC 60695-2-12	Europa	GWFI = 960 °C
	IEC 60695-2-13	Europa	GWIT = 850 °C
	DIN/VDE 0471 (815)	Germany	0,1 % F, 0,2% Cl, Br, I
Building and construction	DIN 4102-1	Germany	B1 (burning drops) 2,5mm

PC/ABS - T65

Applicationarea	Standard	Country	Certification
Transport	Directive 95/28 ECC	Europa	Approved

The technical data have been collected and categorised by Gibo Plast A/S in good faith. They are non-binding and do not represent a material specification or assurance of specific properties. We explicit reserve the right to change or update these instructions at any time.

Further processing and use of the products can have various impact on the products. Therefore, Gibo Plast A/S, does not guarantee or warrant for the fitness, suitability or adequacy of the products for any purpose intended by the purchaser or any third person and shall have no liability whatsoever in this respect. The purchaser has the obligation to test the products and determine itself is the products are fit for the intended use.

Gibo Plast A/S shall neither nor indirectly, indemnify and hold harmless purchaser or any third person in the event of any third-party claims related to the infringement of