



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
Streching 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

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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
	NF F 16-101,-102	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

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