

# LADDER TAGGING SYSTEM TECHNICAL DATA SHEET

The AssetTag holder should be permanently fixed to the ladder in a suitable safe place.

Perform an inspection of the ladder (a checklist is printed on the reverse) and record the result on the tag.

If the ladder fails the inspection remove insert and inform a supervisor.

AssetTag  
55 x 210 x 6mm - - - -  
TGOT5



Ladder Tag  
50 x 181mm  
Polypropylene  
TG04-1

Description	Qty	Code
Single Insert	1	TG04-1
Pack of 10 Inserts	10	TG0410
Pack of 50 Inserts	50	TG0450
Kit	1 Holder, 2 Inserts, 1 Pen	TG04KIT
Box	10 Holder, 10 Inserts, 1 Pen	TG04BOX
AssetTag	5	TGOT5



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# TAG INSERT TECHNICAL DATA SHEET



## POLYPROPYLENE

### Product Specification

Specially designed for printing. The MAPLON PP sheet has a shelf life of one year (MAPAL GUARANTEES THE PROPER SURFACE ENERGY VALUE FOR PRINTING FOR ONE YEAR). The MAPLON PP white and clear sheets comply with European Directive

2002/95/ EC (RoHS), Directive 2002/72/EC for food contact and Directive 1907/2006 (REACH). Compliance of color sheets must be checked individually.

Sheet Dimensions	Value	Tolerances
Thickness	0,2mm – 2mm	+/- 0.03mm
Width	MAX. 1250mm	0/+5
Length	MAX. 3500mm	0/+8
Light Transmission	12%	10 - 14%
Angle 90°	90°	89.8 - 90.2°

Technical Properties Test	Conditions	Result
Tensile properties (ASTM D638)		
Tensile strength at yield	MD 23 °C	30 N/mm <sup>2</sup>
	TD	27 N/mm <sup>2</sup>
Tensile strain at yield	MD 23 °C	25%
	TD	20%
Young's modulus	MD/TD 23 °C	300N/mm <sup>2</sup>

### Thermal properties

Vicat softening point (ASTM D1525)	145 °C
Heat distortion Temp. (ASTM D648)	85 °C
Specific gravity	~0.91 gr/cm <sup>3</sup>
Surface Energy	min. 42 dynes/cm

### Storage

The material must be stored in a dry shaded place, at a recommended temperature of 20-25 degrees celsius before printing or other processing of the sheets. The information given in this publication is true and accurate to the best of our knowledge. The numeric values presented are typical values obtained by testing laboratory samples. This publication is not intended as a legally binding assurance, since many factors may affect product properties during processing. The user should perform their own tests in order to ascertain the suitability to a specific application. It is the user' responsibility to ensure that their specific use does not constitute an infringement of any patent or law.

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## Nylon 66 Natural

PA66 (Polyamide 66)

Colour: Natural

Density: 1.15g/cm<sup>3</sup>

Mechanical Properties	Parameter	Value	Unit	DIN/EN/ISO
Modulus of elasticity (tensile test)	1mm/min	80	MPa	527-2
Tensile strength	50mm/min	85	MPa	527-2
Tensile strength at yield	50mm/min	84	MPa	527-2
Elongation at Yield	50mm/min	7	%	527-2
Elongation at break	50mm/min	70	%	527-2
Flexural strength	2mm/min 10N	110	MPa	178
Modulus of elasticity (flexural test)	2mm/min 10N	3100	MPa	178
Compression Strength	1%/2% 5mm/min 10N	20/35	MPa	604
Compression modulus	5mm/min 10N	2700	MPa	604
Impact strength (Charpy)	Max. 7,5J	N.B.	kJ/m <sup>2</sup>	179-1eU
Notched impact strength (Charpy)	Max. 7,5J	5	kJ/m <sup>2</sup>	179-1eA
Ball indentation hardness	-	175	MPa	2039-1

Thermal Properties	Parameter	Value	Unit	DIN/EN/ISO
Glass transition temperature	-	47	°C	53765
Melting temperature	-	258	°C	53765
Service temperature	Short term	170	°C	-
Service temperature	Long term	100	°C	-
Thermal expansion (CLTE)	23-60°C, Long	11	10 <sup>-5</sup> K <sup>-1</sup>	11359-1;2
Thermal expansion (CLTE)	23-100°C, Long	12	10 <sup>-5</sup> K <sup>-1</sup>	11359-1;2
Specific heat	-	1.5	J/(g*K)	22007-4:2008
Thermal conductivity	-	0.36	W/(K*m)	22007-4:2008

Electrical properties	Parameter	Value	Unit	DIN/IEC
Surface resistance	-	10 <sup>14</sup>	Ω	60093

Other properties	Parameter	Value	Unit	DIN/EN/ISO/IEC
Water absorption	24h/96h (23°C)	0.2/0.4	%	62
Resistance to hot water/bases	-	(+)	-	-
Resistance to weathering	-	-	-	-
Flammability (UL94)	Corresponding to	HB	-	60695-11-10

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