

TECHNICAL DATA SHEET

Revision date: 27.04.2016

Print date: 17.05.2018



Laserply

	DIN	ISO	ASTM	UM	VALUE
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General characteristics

Specific gravity	53479	1183	D792	g/cm	1.15
Water absorption	53492	62	D570	%	0.36

Mechanical properties

Tensile strength	53455	527	D638	MPa	38
Ultimate elongation	53455	527	D638	%	35
Rockwell hardness	/	2039	D785	MPa	M 42
Impact strength (CHARPY unnotched)	53453	179	/	KJ/m	50
Impact strength (IZOD notched)	53453	180	D256	J/m	58.5

Optic properties

Refractive index B	53491	489	/	/	1.49
Transmittance	5036	/	/	%	90

Thermic properties

Vicat softening point B/50	53460	306	D1525	°C	88.5
HDT under load -1,82 MPa	53461	75	D648	°C	84,5

Technical characteristics

Material:	Modified acrylic + Hot Stamping foil
Temperature range:	From - 40°C to + 80°C
Scratch resistance:	Internal Test with Sclerometer (value=300gr)
Outdoor Use:	No
Indoor Use:	Yes

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Fire resistance: UL94 method - HB class

Odour: Odourless

Engraving method: Pantograph, Laser

Engraving depth: 0.08 mm

Aesthetic characteristics

Top finish: Matt, Glossy, Brushed

Surface finish: Without any hole, inclusion, scratch, according to the approved sample

Contaminations: N° 01 ≤ 1 mm
N° 01 ≤ 0,5 mm
N° 03 ≤ 0,2 mm

Geometrical characteristics

Sheet dimensions: 1220 x 610 mm (tolerance +/- 0,2%)
edges at right angles

Total thickness: 0.4, 0.6, 0.8, 1.5, 3.0 mm (tolerance +/- 0.1 mm)

Thickness of the top: ≤ 0.08 mm

The protection foil must be removed within 8 months from the date of the invoice.
The protected surfaces must not be exposed to sunlight and atmospheric agents.

The above state information refers to tests carried out at given parameters and on items in standard conditions. The product is suitable only for the above mentioned standard usage parameters. The manufacturer declines any responsibility in case of improper use of the product when the product is exposed to stresses exceeding the values stated herein.