

Laser Verdi**datasheet**

	DIN	ISO	ASTM	UM	VALUE
<u>General characteristics</u>					
Specific gravity	53479	1183	D792	g/cm³	1.15
Water absorption	53492	62	D570	%	0.36
<u>Mechanical properties</u>					
Tensile strength	53455	527	D638	MPa	38
Ultimate elongation	53455	527	D638	%	35
Rockwell hardness	/	2039	D785	/	M 42
Impact strength (CHARPY unnotched)	53453	179	/	KJ/m²	50
Impact strength (IZOD notched)	53453	180	D256	J/m	58.5
<u>Optic properties</u>					
Refractive index B	53491	489	/	/	1.49
Transmittance	5036	/	/	%	90
<u>Thermic properties</u>					
Vicat softening point B/50	53460	306	D1525	°C	88.5
HDT under load -1,82 MPa	53461	75	D648	°C	84,5
Coefficient of thermic expansion	53752	/	/	10⁻⁶ K	100

UV COLOUR RESISTANCE

The lowest value measured according to the "blue colour scale" is:

4/5	for the coloured sheets
4	for the metal sheets

The tests have been made in QUV.

<u>Technical characteristics</u>	
Material:	Impact Modified Acrylic
Temperature resistance:	From - 40°C to + 80°C
Scratch resistance:	Internal Test with Sclerometer (value=300gr)
Outdoor Use:	Yes
Indoor Use:	Yes
Fire resistance:	UL94 method - HB class
Odour:	Odourless
Engraving method:	Pantograph, Laser
Engraving depth:	0.2 mm
<u>Aesthetic characteristics</u>	
Top finish:	Glossy, Matt , Textured
Surface finish:	Without any hole, inclusion, scratch, according to the approved sample
Colour tolerance:	- Max: 1.0 (DE/DE tolerances) measured on the approved sample
	- calculation method: CIE LAB CMC (1:1) (according to the British Standard 6923)
	- Enlightening source/observer: D65/10°
Contaminations:	N° 01 ≤ 1 mm ²
	N° 01 ≤ 0,5 mm ²
	N° 03 ≤ 0,2 mm ²
<u>Geometrical characteristics</u>	
Sheet dimensions:	1220x610 mm (tolerance +/- 0,2%) edges at right angles
Total thickness:	From 0.4 up to 2.2 mm (tolerance +/- 0,1 mm)
	From 2.4 up to 6.4 mm (tolerance +/- 0,2 mm)
Thickness of the top:	0,1 mm (tolerance +/- 0,03 mm)
Planarity:	Max 5 mm camber from surface

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.