

MP Verdi

	DIN	ISO	ASTM	UM	VALUE
General characteristics					
Specific gravity	53479	1183	D792	g/cm³	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	/	M 42
Impact strength (CHARPY unnotched)	53453	179	/	KJ/m²	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
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.

MP Verdi

RESISTANCE TO VARNISH AND SIMILARS

- + Non aromatic petrol
- o Pure oil paints
- Diluent, in general
- o Inks and varnish for acrylic glass
- Nitro varnish

RESISTANCE TO CHEMICAL AGENTS, SOLVENTS

- | | |
|---|---|
| <ul style="list-style-type: none">- Ethyl acetate+ Sodium acetate 32%- Acetone+ Acid for accumulatorso Acetic acid up to 25%- Acetic acid, concentrated+ Arsenic acido Butyric acid up to 5%+ Citric acid, up to 20%o Hydrochloric acido Chromic acido Hydrofluoric acid up to 20%+ Formic acid, up to 20%o Formic acid, up to 40%+ Phosphoric acid up to 10%+ Lactic acid, up to 20%+ Nitric acid, up to 20%o Nitric acid, from 20 to 70%- Nitric acid, over 70%+ Oxalic acid+ Sulphuric acid, up to 30%+ Sulphurous acid up to 5%o Concentrated sulphurous acid+ Stearic acid+ Tartaric acid up to 50%- Trichloroacetic acid | <ul style="list-style-type: none">+ Uric acid up to 20% or chlor water+ Oxygenized water up to 40%o Oxygenized water over 40%+ Soapy water- Diacetonc alcoholo Isopropylic alcohol+ Alum- Amylacetateo Ammonia- Liquid sulphurous anhydride- Aniline+ Arsenic- Benzaldehyde+ Pure petrol- Benzol+ Potassium dichromate+ Sodium bisulphite- Bromine- Ethyl bromide- Ethylene bromide- Butanol- Lactic acid butylester- Ethyl butyrate+ Potassium carbonate+ Sodium carbonate+ Potassium cyanide |
|---|---|

MP Verdi

o Cyclohexane	+ Sodium hypochlorite
o Ciclohexanole	+ Calcium milk
+ Sodium chlorate	+ Mercury
- Liquid chlor	o Methanol, up to 30%
- Chloroethylether	- Concentrated methanol
- Chlorophenol	- Methylethylketone
+ Aluminium chloride	+ Monobromic naphthalene
+ Calcium chloride	+ Silver nitrate
+ Ferrous chloride	+ Potassium nitrate
+ Ferric chloride	+ Aluminium oxalate
+ Magnesium chloride	+ Octane
+ Potassium chloride	- Perchloroetyhylene
+ Sodium chloride	+ Potassium permanganate
+ Sulphuryl chloride	+ Hydrogen peroxide up to 40%
+ Stannous chloride	o Hydrogen peroxide over 40%
- Thionyl chloride	o Oil
- Liquid chlor	+ Caustic potash
o Diamylphtalate	+ Propyl
- Dibutilfphalate	- Pyridine
+ Diethylenglicol	+ Soda
- Dioctilfphalate	+ Caustic soda
- Dioxane	+ Aluminium sulphate
+ Heptane	+ Ammonium sulphate
+ Hexane	+ Magnesium sulphate
o Ethanol, up to 30%	+ Manganese sulphate
- Concentrated ethanol	+ Nichel sulphate
- Ether	+ Sodium sulphate
+ Petroleum ether	+ Solid zinc sulphate
- Phenol	+ Aqueous zinc sulphate
+ Phosphate	- Carbon sulphide
+ Trycresil phosphate	+ Sodium sulphide
- White phosphor	- Spirit
+ Glycerine	- Carbon tetrachloride
+ Glycol	- Silicon tetrachloride

MP Verdi

- Hydrocarbon chlorate
- + Metallic iodine
- + Calcium hypochlorite
- Phosphorous trichloride
- + Triethanolamine
- + Iron vitriol

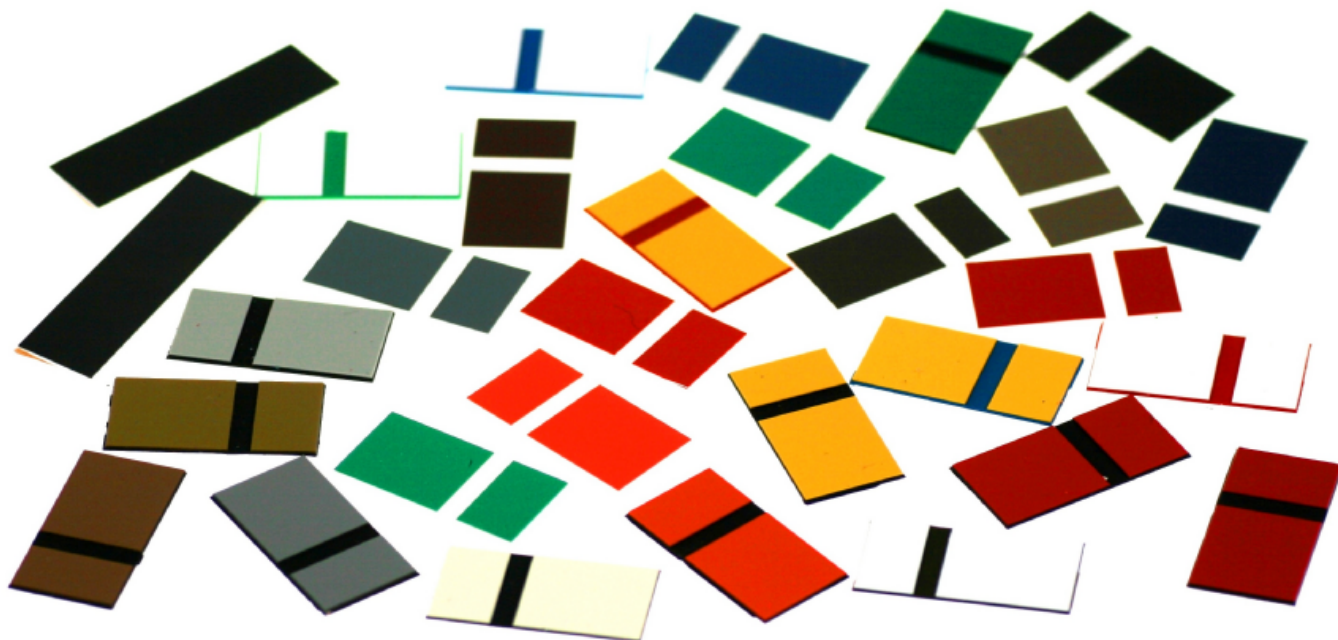
- Toluol
- + Oil turpentine
- o Substitute turpentine
- + Sulphur
- Xylol

THE SYMBOLS STAND FOR:

- = *it doesn't resist*

o = *it resists relatively*

+ = *it resists*



MP Verdi

Technical characteristics	
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
Engraving depth:	0.3 mm (0,5 mm for metal tops)
Aesthetic characteristics	
Top finish:	Glossy, Matt
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
Geometrical characteristics	
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 e 0,2 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.