Product Data Sheet - Table Top HPL 30mm

Artikel

Art.-No.	Article	Dimension	Color
0.0.633.18	Table Top 30 - high pressure laminate	panel dimension approx. 1200x600 mm	grey similar to RAL 7035
0.0.633.19	Table Top 30 - high pressure laminate	panel dimension approx. 1200x750 mm	grey similar to RAL 7035
0.0.633.20	Table Top 30 - high pressure laminate	panel dimension approx. 1500x600 mm	grey similar to RAL 7035
0.0.633.21	Table Top 30 - high pressure laminate	panel dimension approx. 1500x750 mm	grey similar to RAL 7035
0.0.633.24	Table Top 30 - high pressure laminate	panel dimension approx. 1800x600 mm	grey similar to RAL 7035
0.0.633.22	Table Top 30 - high pressure laminate	panel dimension approx. 1800x750 mm	grey similar to RAL 7035
0.0.633.25	Table Top 30 - high pressure laminate ESD	panel dimension approx. 1200x600 mm	grey similar to RAL 7035
0.0.633.26	Table Top 30 - high pressure laminate ESD	panel dimension approx. 1200x750 mm	grey similar to RAL 7035
0.0.633.27	Table Top 30 - high pressure laminate ESD	panel dimension approx. 1500x600 mm	grey similar to RAL 7035
0.0.633.28	Table Top 30 - high pressure laminate ESD	panel dimension approx. 1500x750 mm	grey similar to RAL 7035
0.0.633.29	Table Top 30 - high pressure laminate ESD	panel dimension approx.1800x600 mm	grey similar to RAL 7035
0.0.633.30	Table Top 30 - high pressure laminate ESD	panel dimension approx.1800x750 mm	grey similar to RAL 7035
0.0.681.79	Table Top 30 - high pressure laminate	panel dimension approx. 2770x2040 mm	grey similar to RAL 7035
0.0.681.80	Table Top 30 - high pressure laminate ESD	panel dimension approx. 2720x2020 mm	grey similar to RAL 7035

Common Properties

Properties	Unit	Values	Standard
Material	-	Wood based panel with melamine resin decorative papers	-
Density	kg/m^3	750	-
Laminate Thickness tolerance	mm	± 0,5	EN 14323
Thickness within the panel	mm	± 0,5	EN 14323
Colour matching	Grade	4	EN 14323
Resistance to surface wear	Class	3B	EN 14323
Resistance to cigarette burns	Grade	1	EN 438-2
Resistance to impact falling steel ball, less diameter	N (min)	9	EN 438-2
Resistance to impact falling steel ball, large diameter	mm (min) mm (max)	800[3] 11[4]	EN 438-2
Resistance to scratching	N	≥ 1,5	EN 14323
Resistance to staining	Grade	≥ 3	EN 14323
Resistance to cracking	Grade	≥ 3	EN 14323
Quality Formaldehyde release	Class	E1	EN 14323

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Mechanical Properties

Properties	Unit	Values	Standard
Modulus of Elasticity	N/mm^2	2840	EN 310
Bending strength	N/mm^2	13	DIN 52362
Transverse tensile strength	N/mm^2	0,24	EN 319

Optical Properties

Properties	Unit	Values	Standard
Light fastness (Xenon arc lamp, blue wool scale)	Nr.	6	EN 14322

Electrical Properties (ESD-Version)

Properties	Unit	Values	Standard
Volume resistance*	Ω	$1x10^4$ - $1x10^9$	IEC 61340-5-1

* Ambient temperature 23 ° C ± 2 ° C

The humidity during the tests was between 10-65% due to the local conditions.

Flame Characteristics

Properties	Unit	Values	Standard
Flame Rating Class	Euroclass	D-s2, d0	DIN EN 13501-1
	Flame Class Rating	B2	DIN 4102

Handling and storage

Properties	
Handling	The product can be processed with standard machines and tools.
Recommended storage	Horizontal, dry, protected for climatic condition.

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Disposal

Basically, the country-specific laws and regulations regarding waste disposal must be observed.

Cleaning

Rinse the surface with hot water and a soft cloth or sponge. For heavier soiling, use an additional non-abrasive soap solution. Organic solvents (e.g. acetone, alcohol, butyl acetate) can also be used. Test the cleaning agent on an inconspicuous spot before use. Finally, rinse with clean hot water and dry with an absorbent cloth.

REACH, RoHS

Properties	
Regulation (EG) Nr. 1907/2006 (REACH)	compliant
Regulation 2011/65/EU (RoHS) inkl. EU 2015/863	compliant
silicone	Silicon is not relevant for production, however, minimal contact with silicone-containing lubricants or cleaning agents cannot be completely ruled out when handling and producing our products.

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No effects

item HPL table tops are resistant to the following substances and agents. These substances do not alter the surface, even after prolonged exposure (approx. 16 hours).

A

- Acetone
- Activated carbon
- Alum solution
- Aldehydes
- Alcohols, primary
- secondary
- tertiary
- Alcohol, drinks
- Ammonia

B

- Benzene
- Butyl acetate
- Butyl alcohol

C

- Carbon tetrachloride
- Caustic potash
- Caustic soda
- Citric acid
- Coffee
- Cyclohexane
- Cyclohexanol

E

- Ethanol
- Ether
- Ethyl acetate

F

- Fats
- Formaldehyde

G

- Glycerol
- Glycol
- Graphite

H

- Heptanol
- Hexane
- Hexanol

I

- Ink
- Isopropyl

K

- Ketone

L

- Lipstick

M

- Methanol
- Milk
- Milk acid

N

- Nail varnish
- Nail varnish remover

O

- Octanol
- Octyl alcohol
- Olive oil
- Oleic acid
- Organic solvents

P

- Paraffins
- Paraffin öil
- Pentanol
- Petroleum spirit
- Propanol

S

- Soap
- Sodium chloride

T

- Tartaric acid
- Tea
- Toluene
- Turpentine

U

- Urine

W

- Water
- Watercolours

X

- Xylene

Y

- Yeasts

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No effects with short exposure times

The surfaces of item HPL sheets will not be altered if the substances listed below (especially in liquid or dissolved form) are spilled and if they only act for a short time, i.e. if the sheets are wiped with a wet cloth and then rubbed dry within about 10 - 15 minutes. It must not be forgotten that time (exposure time) is an essential factor for the aggressiveness of even diluted agents towards the HPL surfaces. As the respective diluent evaporates, the concentration of the agents increases over time, and the surfaces of item solid plastics are attacked. This is despite the fact that the concentrations used are usually lower than those given in the following list. Orientation tests are recommended in any case.

A

Amidosulfonic acid up to 10%

Aniline dyes

Arsenic acid up to 10%

B

Boric acid

C

Caustic soda over 10%

Crystal violet (gentian violet)

E

Esbachs Reagent

F

Fette

Formaldehyde

Formic acid over 10%

Fuchsinlösung

G

Grease

H

Hair dye and bleach

Hydrochloric acid up to 10%

Hydrogen peroxide above 3-30% (perhydrol)

I

Inorganic acids up to 10%

Iodine solution

Iron(II) chloride solution

Iron(III) chloride

L

Lacquers and adhesives, chemically curing

Lime remover (descaler)

M

Mercury dichromate

Methylene blue

Millons Reagenz

N

Nitric acid up to 10%

Nylanders Reagent

O

Oxalic acid

P

Phosphoric acid up to 10%

Picric acid

Potash lye over 10%

Potassium chromate

Potassium dichromate

Potassium hydrogen sulfate

Potassium iodide

Potassium permanganate

S

Silver nitrate

Sodium hydrogen sulfate

Sodium hypochlorite

Sodium thiosulfate

Sublimate solution (mercuric chloride solution)

Sulfuric acid up to 10%

Sulfurous acid up to 10%

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Strong effects

The following chemicals destroy the tabletop surface and must be removed immediately, as they can leave matt spots and roughness even after a very short exposure time in concentrations above about 10%:

A

Aminosulphonic acid;

Aqua regia

Arsenic acid

C

Chromosulphuric acid

I

Inorganic acids, e.g.: Arsenic acid

H

Hydrochloric acid

Hydrofluoric acid

Hydrogen bromide

P

Phosphoric acid

S

Sulphuric acid

Aggressive gases

The frequent exposure to the following aggressive gases and vapours leads to a change in the tabletop surface:

B

Bromine

C

Chlorine

N

Nitrous vapours

S

Sulphur dioxide

Sulphuric acid

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