

Technical Information

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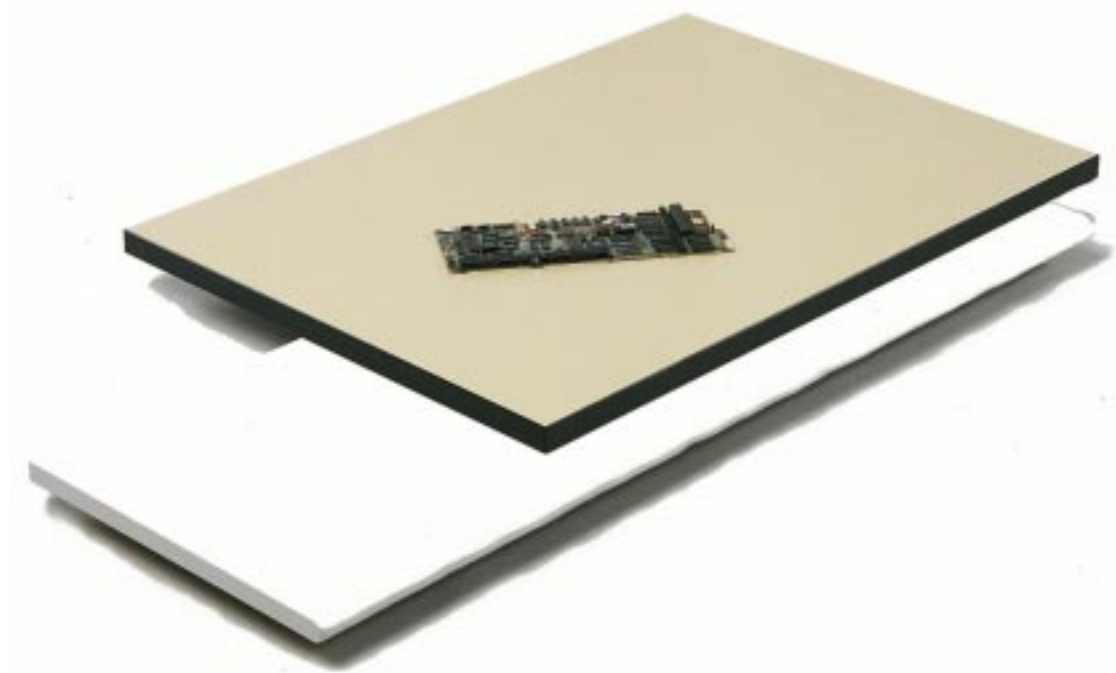
HPL - Safestat, Hard Laminate

(Part No.: 1916.3xxx.xxxx, 1926.3xxx.xxxx)

High quality static dissipative and decorative HPL-Safestat hard laminate.
Available also bonded onto chipboard, with a choice of conductive edges or self-edging (postforming).

Features:

- High abrasion resistance
- High chemical and mechanical resistance
- High heat resistance
- Hard, non-reflecting surface
- Attractive colours
- Suitable for cleanrooms
- Volume conductive
- Complies with ISO 4586, DIN 16926 and EN 438 standards for hard laminates
- Complies with EN 61340-5-1 and ANSI/ESD S20.20-1999



We believe all the information in these pages including technical data to be reliable. However we make no warranties expressed or implied and assume no liability regarding any use of this information.

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Electrical properties:

	Standard	Typical values
Point to point resistance (Surface resistance) R_p	DIN EN 61340-5-1 (Annex A1)	$10^7 \Omega$
Resistance to ground R_G^*	DIN EN 61340-5-1 (Annex A1)	$10^5 - 10^7 \Omega$

* when bonded with conductive glue to a volume conductive chipboard

Physical properties:

Density: 1,4 g / cm³
Thickness: standard: 0,9 mm
postforming: 0,8 mm

Test	Result	Test method
Abrasion resistance	≥ 1000 rpm	EN 438-2: 1991
Resistance to scratching	$\geq 2,0$ N	EN 438-2: 1991
Resistance to immersion in boiling water	Increase Mass: $< 12\%$ Thickness: $< 15\%$ Appearance: Grad 4	EN 438-2: 1991 EN 438-2: 1991 EN 438-2: 1991 EN 438-2: 1991
Resistance to dry heat at 180°C	Gloss: Grade 3	EN 438-2: 1991
Resistance to impact by smaller diameter ball	Spring force ≥ 20 N	EN 438-2: 1991
Resistance to cracking	Grade 4	EN 438-2: 1991
Resistance to colour change	in xenon arc light: > 6 minutes in carbon arc light: > 5 minutes	EN 438-2: 1991 EN 438-2: 1991
Resistance to cigarette burns	Grade 3	EN 438-2: 1991
Resistance to steam	Grade 4	EN 438-2: 1991
Fire behaviour	class 2	British Standard 476 part 7