

Technical data sheet

Corralit Solid Surface is a unique mineral material manufactured in the Czech Republic exclusively from raw materials of EU origin. Thanks to our experience, technologies and best quality materials, we are able to provide an extraordinary 15-year guarantee on our final products.

Typical characteristics:

Characteristics	Observed value	Test method
Density	1.71 g.cm ⁻³	ČSN 64 01 11
Bending strength	65.4 ± 1.58 MPa	ČSN EN ISO 178-1
Dynamic strength	3.50 ± 0.39 kJ.m ⁻²	ČSN EN ISO 179-1
Impact strength	1.29 ± 0.08 kJ.m ⁻²	ČSN EN ISO 179-1
Tensile strength	29.73 ± 0.357 Mpa	ČSN EN ISO 527-1.2
Elastic modulus	6705 ± 80.46 Mpa	ČSN EN ISO 527-1.2
Hardness	92.7 Shore D	ČSN EN ISO 868
Burning characteristics rating	C1 – highly flammable	ČSN 73 0862
Resistance to cigarette burns	3rd degree - medium changes of gloss, undamaged surface	ČSN EN 438-2
Surface resistivity	8.11 .10 ¹⁴ Ω	ČSN IEC 93:93
Internal (volume) resistivity	5.81 .10 ¹² Ωm	ČSN IEC 93:93
Dissipation factor	0.0655	ČSN IEC 250:98
Permittivity	4.5061	ČSN IEC 250:98
Colour stability	1st degree, no changes after 500 hours	ASTM D 4587, G154 ČSN 67 3068
Health safety	Suitable for contact with food	SZÚ (Czech National Institute of Public Health) certificate no. 21-934/03 from 25/07/2003
Possibility of usage in health care facilities	a) suitable for indoor environments; does not dislodge residual concentrations of volatile organic substances b) resistant to common disinfectants and detergents	SZÚ (Czech National Institute of Public Health) certificate no. 5105412 from 12/04/2005
Water absorbing capacity	0.17% (23 °C, 24 hrs.)	ČSN EN ISO 62
Boiling water absorbing capacity	0.29% (100 °C, 30 min.)	ČSN EN ISO 62

Processing methods:

Cutting, drilling, grinding, sanding, polishing, gluing, thermoforming, etc.

It is possible to use the known methods of Solid Surface material processing.