

# Technical Data of Topalit - Moulded Products

	table tops	window sill	unit	test standard
1. Density	720 - 850	700 - 800	kg/m <sup>3</sup>	EN 323
2. Bending strength	30 - 35	30 - 35	N/mm <sup>2</sup>	EN 310 / EN 438
3. Modulus of elasticity MOE	3500 - 5000	3500 - 5000	N/mm <sup>2</sup>	EN 310 / EN 438
4. Cross tensile strength (internal bond)	1,0 - 2,0	1,0- 2,0	N/mm <sup>2</sup>	EN 319
5. Screw holding strength	800 - 1300	800 - 1300	N	Topalit Standard <sup>1)</sup>
6. Swelling immersed in water at 20°C				
after 2 hours	0,3 - 0,6	0,3 - 0,6	%	EN 317
after 24 hours	5,0 - 8,0	2,0 - 5,0	%	EN 317
7. Moisture content	5 - 12	5 - 10	%	EN 322
8. Resistance to fire impact	normaly inflammable	normaly inflammable		DIN EN 13501-1
9. Resistance to temperature impact permanent	-50 to +180	-50 to +180	°C	Topalit Standard
10. Change of length due to moisture and heat	1 - 3	1 - 3	mm/m	Topalit Standard <sup>2)</sup>
11. Thermal conductivity l 10	0,13	0,13	W/mK	DIN 52 612
12. Scratch resistance	3 - 5,5	3 - 5,5	N	EN 438
13. Wear resistance standard quality	50	50	revolutions	ÖNORN EN 14322
XD wear resistant surface	350 - 550	450-600	revolutions	ÖNORN EN 14322
14. Light resistance	level 6 - 8	level 6 - 8		DIN 54 004
15. Resistance to chemical action	good to excellent	good to excellent		EN 438
16. Resistance to cigarette ember	glow resistant	glow resistant		EN 438
17. Resistant to hot bottom of a dish	resistant level 5	resistant level 5		EN 438
18. Free Formaldehyde	0,015	0,021	mg/m <sup>3</sup>	EN 717

<sup>1)</sup> 4mm Spax-screw, into drill hole 3 mm diameter, screwed in 10 mm

<sup>2)</sup> maximum expected change of length

EN = European Standard

DIN = German Standard