

Technical Data of Topalit - Moulded Products

| | table tops | window sill | unit | test standard |
|---|------------------------|------------------------|-------------------|--------------------------------|
| 1. Density | 720 - 850 | 700 - 800 | kg/m ³ | EN 323 |
| 2. Bending strength | 30 - 35 | 30 - 35 | N/mm ² | EN 310 / EN 438 |
| 3. Modulus of elasticity MOE | 3500 - 5000 | 3500 - 5000 | N/mm ² | EN 310 / EN 438 |
| 4. Cross tensile strength (internal bond) | 1,0 - 2,0 | 1,0- 2,0 | N/mm ² | EN 319 |
| 5. Screw holding strength | 800 - 1300 | 800 - 1300 | N | Topalit Standard ¹⁾ |
| 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 ²⁾ |
| 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 ³ | EN 717 |

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

²⁾ maximum expected change of length

EN = European Standard

DIN = German Standard