

TECHNICAL DATASHEET

Product Group: DesignTree ONEDTL FM
 Colour Group: Solid Colour
 Surface: Full Matt
 Thickness: 1 mm
 Width: 1220 mm



| Test Parameters | Test Method | Unit | Standard Values With Tolerance |
|--|---|---|--------------------------------------|
| Colour Tolerances | ISO 11664-4 Light D65 10° measurement geometry d/8 | Standard / Customer Sample | dE≤0.5 dL≤0.3 da≤0.2 db≤0.3 |
| Thickness | ASTM D 6988 | mm | 1mm +/- 2 % |
| Width | ISO 4592 | mm | 1220+/- 2 mm |
| Length | ISO 4592 | mm | 2440 mm +/- 10 mm |
| GSM of Laminate | DIN ENISO 2286 | Gm/m ² | 1380 +/- 2 % |
| Dimensional Stability MD (Longitudinal) @ 140 °C / 5min | ASTM D 1204 | % | -3.0 to -7.0 |
| Dimensional Stability TD (Transverse)@ 140 °C / 5min | ASTM D 1204 | % | +0.0 to +1.5 |
| Gloss @60 degree | ASTM D 2457 | GU | 2-5 (Depends Upon Colour) |
| Impact Strength | ASTM D 2794 | N (Newton) | 850+/- 5 |
| Scratch Resistance | DIN 68861/4 | Level 4D (Depend On Pattern & Embossing) | 4 Newton |
| Density | ASTM D792 | g/cc | 1.38+/- 0.02 |
| Tensile Strength | ASTM D 638 | Kg/Cm ² | Min. 550 |
| Elongation At Break | ASTM D 638 | % | Min. 10 |
| Abrasion Resistance | DIN 68861/2 | Level 2A (Depend On Pattern & Embossing) | More Than 650 No. Of Revolution |
| Heat Resistance for Embossing (100 degC) | DTL S100 | - | No Visible Change |
| Chemical Resistance | DIN 68861/1 UNI EN 12720/99 | - | ≥ Level 1B |
| Light Fastness | 1.DIN 54004 2.DIN 53387 | - | ≥ 7 |
| Opacity | - | Over Black/White | dE ≤ 0.35 |
| Cross-Cut | DIN EN ISO 2409 | - | 0 |
| Anti-fingerprint | CE AA 10-85 Internal Test Method | - | i.O. |
| Resistance To Dry Heat | DIN 68861-7 DIN EN 12722 | - | 7C 70c° |

***Declaration:** The above information is based on our current technical knowledge. They neither guarantee specific characteristics of the products nor their suitability for a particular application.

*Updated as of Nov.2023