# EVO BY BORD PRODUCTS TECHNICAL SPECIFICATIONS

bord PRODUCTS

The EVO by Bord Products range is designed for superior durability. This technical data outlines the material's performance. All tests are conducted in accordance with Japanese Industrial Standards (JIS).

| Property | Test Method | Result |
|---|---|---|
| **Dimensional Stability** | Heated to 100°C for 15 minutes | MD -7.0% to 0.0%<br>TD -2.0% to 2.0% |
| **Tensile Strength** | JIS K6732 | MD > 24.5N<br>TD > 19.6N |
| **Elongation at Break** | JIS K6732 | MD > 100%<br>TD > 50% |
| **Weather Resistance** | JIS B7753<br>(Open-flame sunshine carbon-arc) | 2000 hours with no visible change |
| **Chemical Resistance** | Applied to surface, observed after 6 hours | No visible change for:<br>• 1% Sodium Carbonate<br>• 5% Acetic Acid<br>• 1% Hydrochloric Acid<br>• Petroleum Benzine |
| **Smudge Resistance** | Applied to surface, observed after 6 hours | No visible change for:<br>• Coffee<br>• Soy Sauce<br>• Worcestershire Sauce |
| **Detergent Resistance** | Applied to surface, observed after 6 hours | No visible change for:<br>• Alkaline Detergent<br>• Neutral Detergent<br>• Petroleum Benzine |
| **Solvent Resistance** | Rubbing test (10 cycles) | No visible change for:<br>• Ethanol<br>• Lacquer Thinner |
| **Abrasion Resistance** | JAS Abrasion Test C | Withstands over 200 cycles |
| **Scratch Resistance** | Steel wool rubbing test (20 cycles) | No visible change |

Dimensional Stability: Measures the material's ability to maintain its shape under heat. Low % indicates minimal expansion or contraction.
Tensile Strength & Elongation at Break: Determines flexibility and durability when subjected to force.
Weather Resistance: Evaluates performance under prolonged UV exposure.
Chemical, Smudge & Detergent Resistance: Ensures that common household chemicals and stains do not affect the surface.
Solvent Resistance: Verifies resistance against strong solvents that could degrade the material.
Abrasion & Scratch Resistance: Confirms the surface's durability under repeated wear and friction.

**Abbreviations & Standards:**
JIS – Japan Industrial Standard
JAS – Japan Agricultural Standard
MD – Machine Direction
TD – Transverse Direction