

To whom it may concern:

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TAIYO HOLDINGS CO., LTD.

TAIYO INK MFG. KOREA Launches High Reflectance White Photoimageable Dry Film For use in the Mini LED Backlight Units of Tablet PCs

TAIYO HOLDINGS CO., LTD. (head office: Toshima, Tokyo; President and CEO: Eiji Sato; Securities Code: 4626, hereinafter “Taiyo Holdings”) is pleased to announce that its subsidiary TAIYO INK MFG. CO., (KOREA) LTD. (head office: Ansan, Gyeonggi, South Korea; Chairman & CEO: Hitoshi Saito; President & COO: Hyunki Bae) has launched sales of its high reflectance white photoimageable dry film PSR-400 WD17NB (hereinafter, “Product”), a dry film type of insulating material that uses light exposure to for pattern forming.

This Product provides high-level endurance thanks to the flexibility it maintains when hardened. This Product is also resistant to heat-induced color changes, meaning it maintains a high level of translucence. In addition to providing high reflectance, this Product is also compatible with DI lithography machines, enabling use in the reflector boards of the mini-LED backlight units used in tablet PCs.

This Product is used as an insulation material in next-generation displays that achieve higher luminance and sharper contrast. We make this possible by applying Taiyo Group proprietary technology to enable use in the reflector boards of mini-LED backlight units. This allows manufacturers to reduce the pitch required when mounting mini-LED, which in turn allows the use of smaller LED pads that make these next-generation displays.

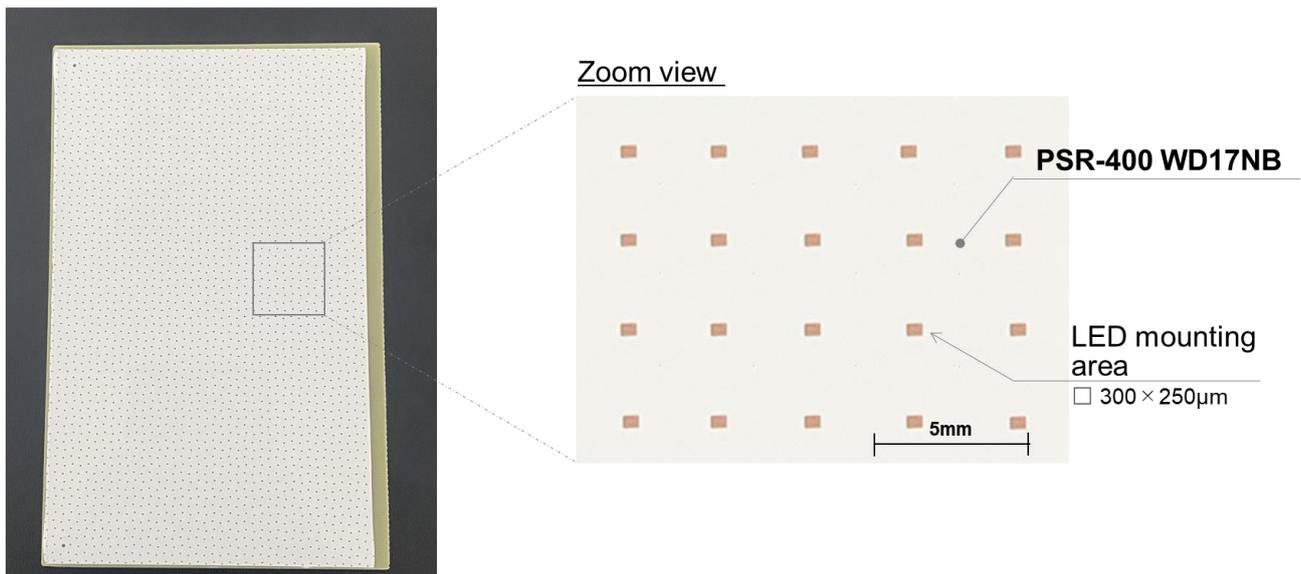
The Taiyo Group will continue to advance our technology and make further contributions to the development of display technology.



■ Product characteristics of photoimageable (method of pattern forming that uses light exposure) high reflectance white dry film PSR-400 WD17NB

- (1) Achieve high reflectance on level of conventional reflection sheets with punch holes.
Average reflectance rate: Y=92-93% (initial value, average reflectance rate, thickness 50 μ m.)
- (2) Compatibility with DI lithography machines enables narrow pitch for LED lights and small-diameter openings
- (3) Minimal changes in reflection rate after long exposure to blue LED light source: QUV test: Y>89% after 3,000 hours
- (4) Dry film type provides superior surface smoothing and even light reflection
- (5) Provides superior flexibility when hardened, limits cracks during LED mounting

Board exterior



[Product inquiries and information requests]

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