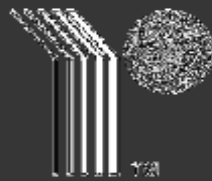


VISUALIGHT (A/R FILM)



TOKYO REIKO Co., Ltd.

【VISUALIGHT】

- *VISUALIGHT is the sophisticated film that consists of the special PET substrate that has the low reflection feature on its surface.*
- *Thin films with a different refractive index are uniformly formed on the surface of VISUALIGHT.*
- *VISUALIGHT harnesses the optical interferential action for reducing any reflection lights and then suppresses the surface reflection and reflected crowding.*
- **APPLICATION**
 - ① **DISPLAY APPLICATION SUCH AS PDP AND LCD**
 - ② **SHOW WINDOW / CASE**
 - ③ **PROTECTION-A/R FILM FOR PICTURES**

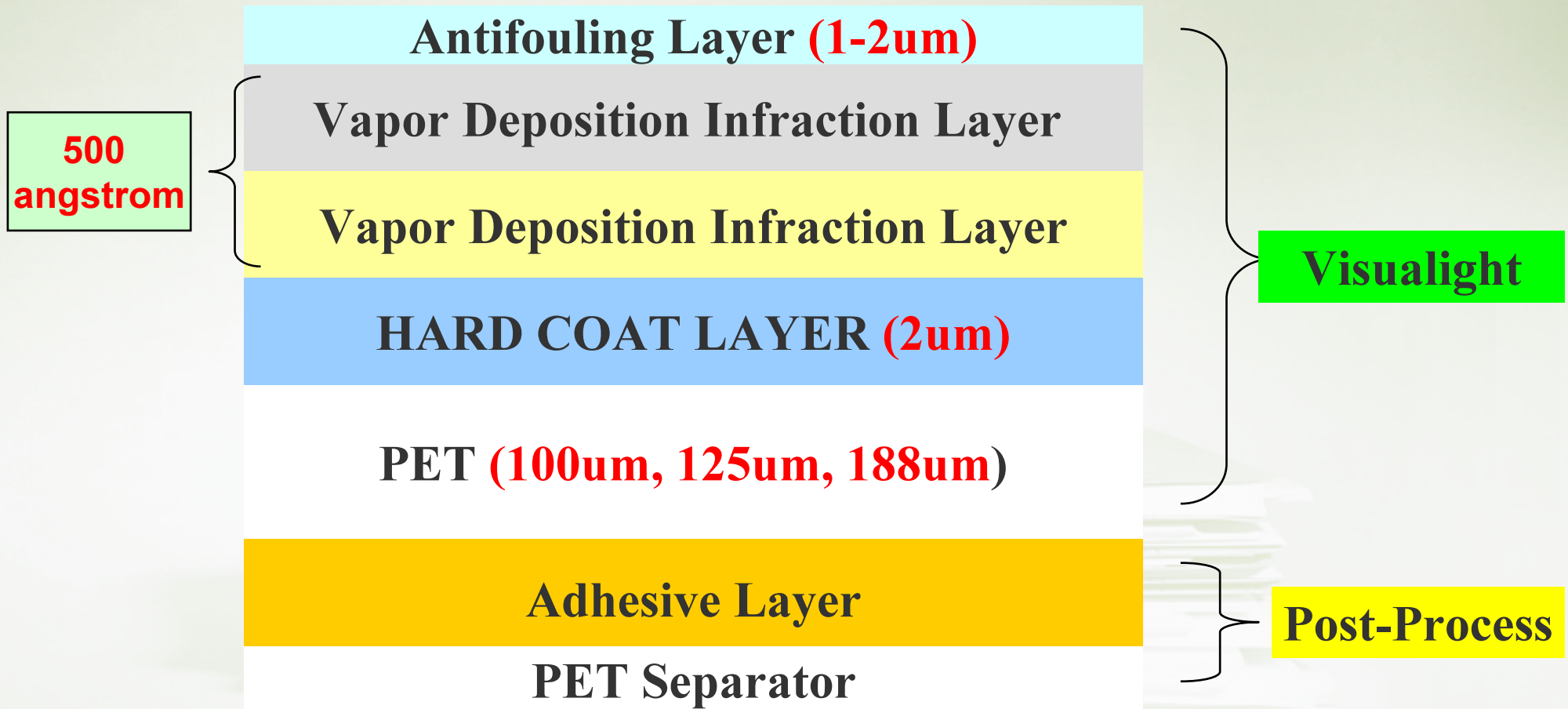
【CHARACTERISTIC】

- **THICKNESS OF PET SUBSTRATE: $100 \mu \sim 188 \mu$
WIDTH: MAX1100mm**
- **Refraction Layer consists of both Wet & Dry thin-film layer so that it can utilize the merit of each thin-films.**
- **Excellent Surface Hardness**
- **Dry Refraction Layer is manufactured by roll to roll process. So it has better manufacturing efficiency than sputtering process.**

General Specification

| | | |
|-------------------------------------------------------------------------------|--------------------------|-------------|
| TA | 1100mmWidth x 500mLength | Standard |
| UAE | 1100mmWidth x 500mLength | Anti-Static |
| ※ Film Thickness: 100 μ 、125 μ 、188 μ (100 μ is the standard) | | |
| ※ Customization such as the surface protection or the adhesive layer | | |
| | | |
| | | |

COMPOSITION

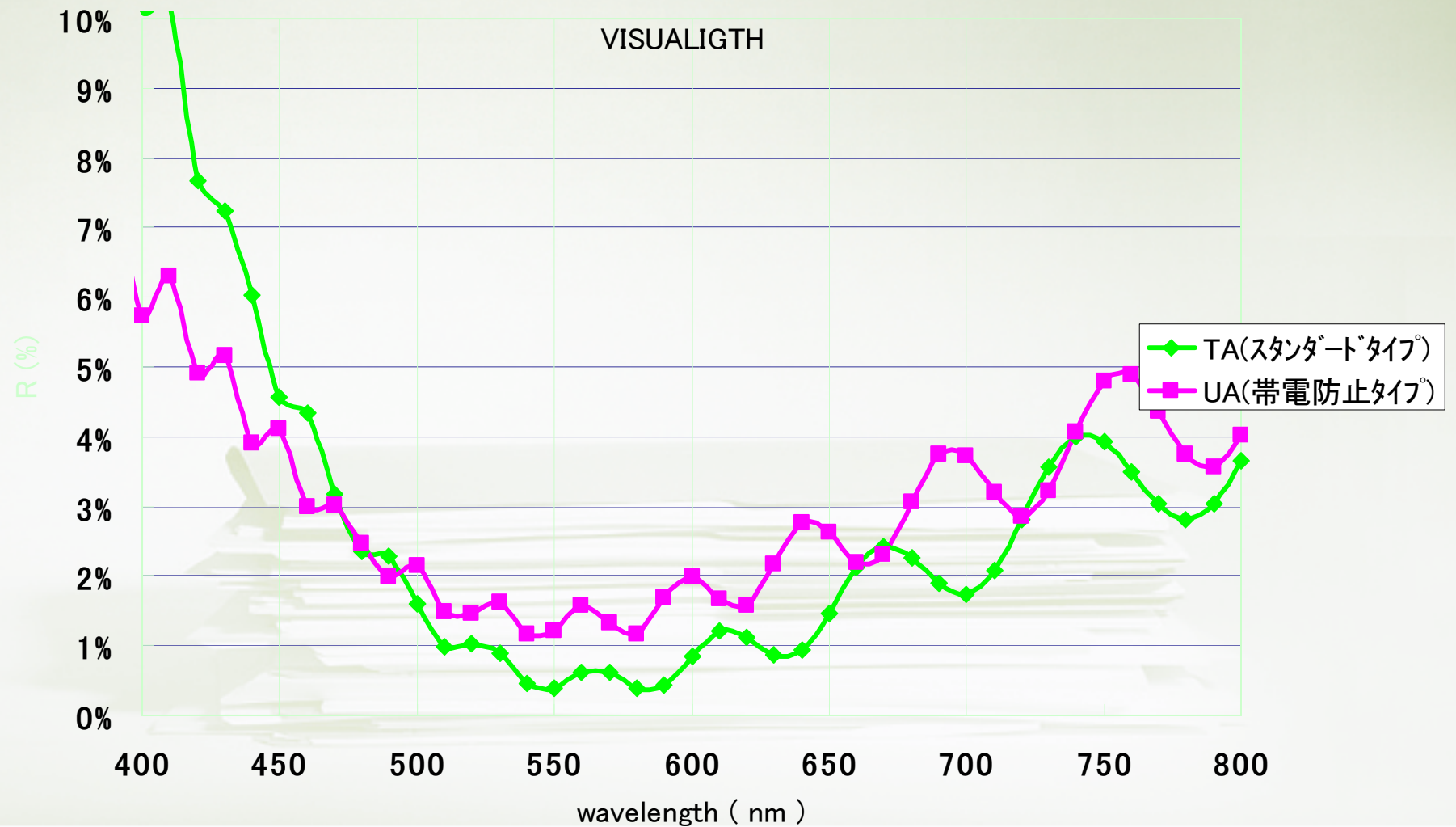


CHARACTERISTIC (TA type)

- **Visible Light Reflectivity** **0.8%**
- **Bottom Reflectivity / Wavelength**
0.3% / 56nm
- **All Rays Reflectivity / Haze** **95% / 0.6%**
- **Pencil Hardness** **3H**



Optical Characteristic



【Reliability Data】

Visualight TA

| ITEM | | TEST METHOD | RESULT |
|------------------------|---------------------|------------------------------------------------------------------|-----------|
| Heat Resistance | Heat Resistance | 80°C × 500h | NO CHANGE |
| | Cold Resistance | -20°C × 500h | NO CHANGE |
| | Humidity Resistance | 60°C × 90% × 500h | NO CHANGE |
| | Heat Cycle | 80°C-20°C 30min × 100cycle | NO CHANGE |
| Chemical Resistance | 5% NaOH | Observe after 96Hr Soaking | NO CHANGE |
| | Ethanol | Observe after 12Hr Soaking | NO CHANGE |
| | Aceton | | NO CHANGE |
| | Toluene | | NO CHANGE |
| Oil Content Resistance | OlieveOil | Put Some Solvent on the surface, and then wipe with cotton cloth | NO CHANGE |
| | Hand Cream | | NO CHANGE |
| | Ketchup | | NO CHANGE |

Adoption Example

FPC



Car Navi

