

MASKING FILM

DAIO MASKING FILM

マスキング
DMF[®]

Film Substrate

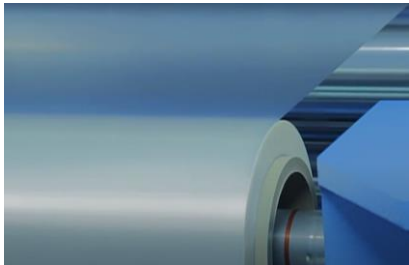
LDPE 50 · 60 · 80 · 100 · 150 · 200 μ

Acrylic Adhesive

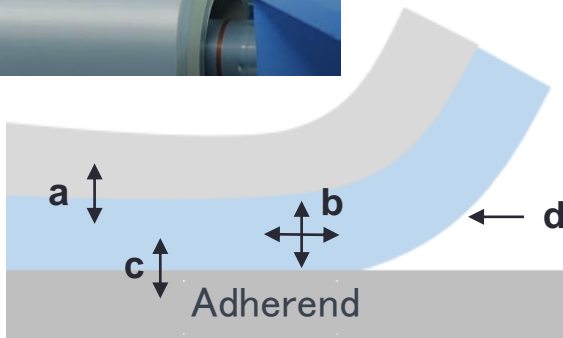
CPP 40 · 70 μ

Approx. 3–15 μ m

*depending on adhesive type



■ The film is engineered to maintain the force relationship of “ $c < b < a$,” enabling clean removal without adhesive residue on the adherend.



- a: Anchoring force (bonding force between the film substrate and the adhesive)
- b: Cohesive force (intermolecular bonding force within the adhesive)
- c: Adhesive force (force acting between the adhesive and the adherend)
- d: Tack (wettability of the adhesive and its conformability to the adherend)

Major Applications of DMF —Construction-Related and Other Uses—

■ Resin Plate Applications

- Protection for plastic products during processing and shipping (e.g. acrylic partitions)

■ Nameplate Applications

- Support during cutting operations, including NC machining
Protection during processing and shipping (e.g. game console components)

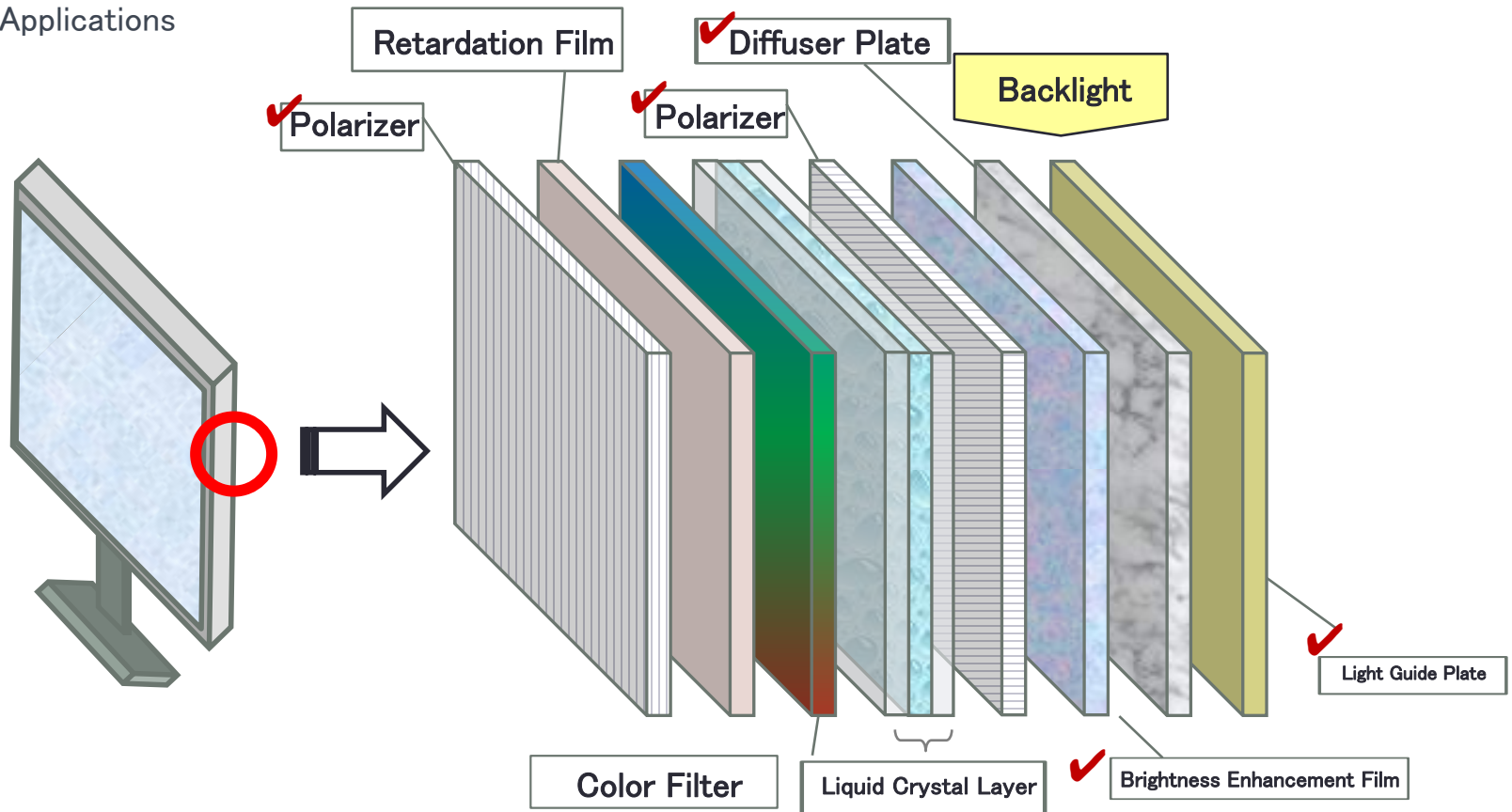
■ Steel Plate Applications

- Protection for coated steel plates during processing, shipping, and installation
 - Examples of coated steel plates panel steel plates, partitions, blackboards
 - Typical applications elevator doors, factory exterior wall panels



Major Applications of DMF —Optical (1)—

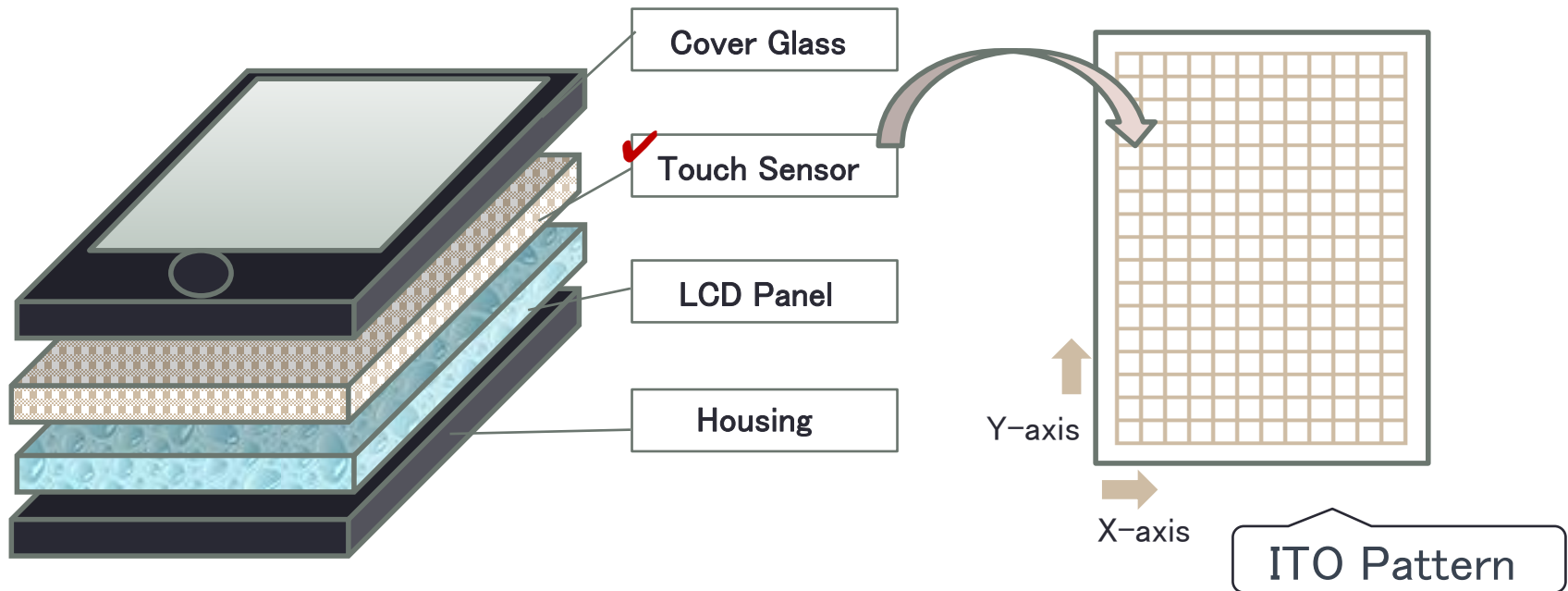
■ LCD Applications



* Protection for polarizers, light guide plates, diffuser plates, and brightness enhancement films during processing and shipping

Major Applications of DMF —Optical (2)—

■ Touch Panel Applications



* Protection during ITO pattern formation processes and shipping

DMF Features

1 Proven sales record spanning more than half a century

Supports thick films up to 200 μm

2

3 Roll lengths up to 4,000 m available *depending on type

Custom-designed films available through printing processes

4

5 Extensive adoption record in optical applications

DC Mat (Adhesive Mat)



Layered mats are manufactured through lamination and cutting of DMF. Dirt and dust on shoe soles and cart wheels are removed by the adhesive surface.

- ①DMF is wound onto a drum to create multiple layers.
- ②The laminated material is cut into sheets.
- ③The sheets are cut to the final product size.

