

粘着剤へ少量添加するだけで粘着力を低下

Decreases Adhesive Strength of PSA by Adding Small Dosage of F-477

フッ素系添加剤 メガファック F-477

Fluoro-Surfactant MEGAFACE F-477

主な用途 Main Applications

微粘着性粘着剤

- 工程用保護フィルム (偏光板、携帯端末表面)
- 電子材料製造工程用フィルム

Additive for PSA applied on:

- Protective film as process material for polarizing plate and portable terminal surface, etc.
- Process film for manufacture of electronic devices.

特徴 characteristics

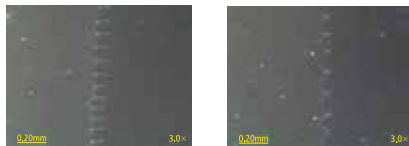
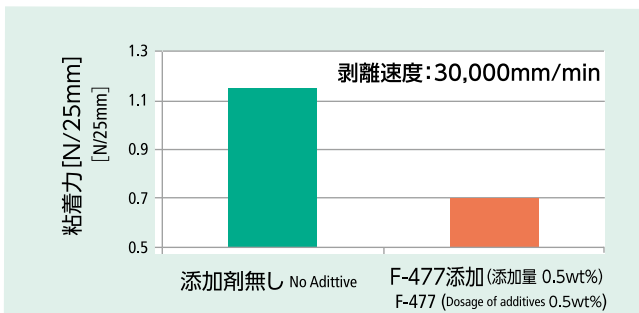
- 粘着剤への少量添加により、粘着力を大幅に低下
- 主剤と硬化剤の配合比変更の必要なし
→粘着剤全体の物性への影響低い
- 水酸基含有
→架橋構造に組み込まれることで、耐久性向上、汚染抑制
- 帯電防止剤の減量が可能

- Addition of small amount of F-477 to PSA drastically decreases adhesive strength.
- No need to change formulation of main agent and crosslinking agent of PSA: Influence on the physical properties of the entire PSA is limited.
- Hydroxyl groups of F-477 crosslink with polymer backbone of PSA to improve durability, suppressing migration of F-477 itself onto adherends.
- Dosage of an antistatic agent can be reduced by combining F-477 with the antistatic agent.



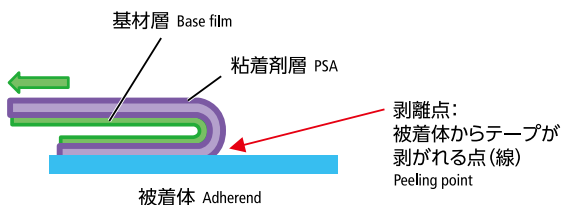
粘着力低減効果

(180°剥離 被着体:ガラス) Adhesion reduction (180° peel, Adherend: Glass)

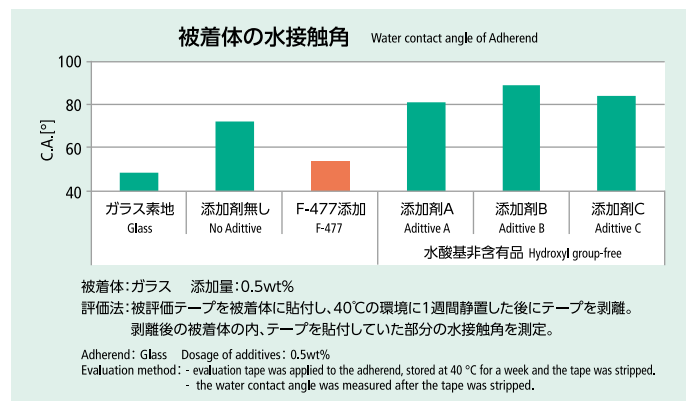


剥離点画像 (剥離速度 6mm/min) 被着体裏面から観察
Image of Peeling point (Peel rate: 6mm/min) Taken from the back side

180°剥離 (イメージ) 180° Peel

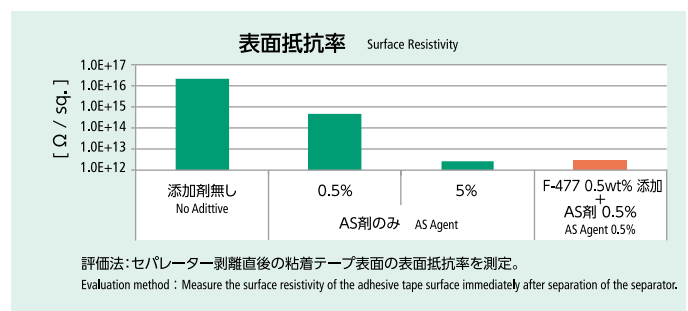


被着体汚染抑制効果 Suppression of Migration onto Adherend



被着体:ガラス 添加量:0.5wt%
評価法:被評価テープを被着体に貼付し、40℃の環境に1週間静置した後にテープを剥離。
剥離後の被着体の内、テープを貼付していた部分の水接触角を測定。
Adherend: Glass Dosage of additives: 0.5wt%
Evaluation method: - evaluation tape was applied to the adherend, stored at 40°C for a week and the tape was stripped.
- the water contact angle was measured after the tape was stripped.

帯電防止剤との併用効果 Combination of F-477 and Antistatic Agent



評価法:セパレーター剥離直後の粘着テープ表面の表面抵抗率を測定。
Evaluation method: Measure the surface resistivity of the adhesive tape surface immediately after separation of the separator.
(PSA: Pressure-Sensitive Adhesive)