

Date: 25th, Mar, 2024

TECHNICAL DATA SHEET

Number: PT24-0325

1. IDENTIFICATION OF MATERIAL AND MANUFACTURER

- (1) Product Name : ACREX PRO
 (2) Manufacturer
 PrintechKR (Hwaseong Factory) Co., Ltd.
 22 Songsansandan 3-gil, Songsan-myeon, Hwaseong-si, Gyeonggi-do, Republic of Korea

2. GENERAL DESCRIPTION / APPLICATION

ACREX is a film composed of acrylic material. ACREX PRO is one of product type among ACREX series. It has a solid color with a special coating for soft touch, anti-fingerprint effect and strong surface hardness. It is suitable for the production of door, wall panel like vertical / interior purpose by flat lamination. For flat lamination, recommended adhesive usage is PUR ; 45 g/m3 or EVA ; 70 g/m3. (It can be depending on condition.)

3. PROTECT FILM / STORAGE

This product has protection layer consist of 0.06 mm of PE. Protection layer has company logo and product name. ACREX series can be stored for more than 6 months under normal storage condition but it is recommended to use it in within 6 months.

4. SPECIFICATION; THICKNESS - WIDTH

The thickness of the finished product is 0.25 ~ 0.30 mm with a maximum width of 126 cm. Based on customer requirement, 132 cm as maximum width can be produced.

| Physical property | | | | | | |
|--------------------|----------------------------|---|-------------------|--|------------|--|
| Test Item | Result | Quality Specification | Test Item | Standard | Result | Quality Specification |
| Pencil Hardness | 2 H | ASTM D3363 KS M ISO 15184 | Stain Resistance | Soy Souce, Mastard, Black Tea, Coffee, Butter, Crayon, Marker Pen ink, Olive Oil, Paraffin, SBP, Sodium, Tea, Water and Others | ≥ Grade 4 | Grade 5 KS M 3332 / KS G ISO4 211 |
| Light fastness | PASS | SGS, GB/T 23987-2009 Method A & ASTM D2244-23 | | | | |
| Tensile Strength | X; 36.7 MPa Y; 47.4 MPa | ASTM D882 (KS M 3001-2022) | | | | |
| Tearing Resistance | X; 72 kN/m Y; 62 kN/m | ASTM D1004 (KS M 3001-2002) | Adhesion Strength | No peeling | No peeling | KS M ISO2409 |

| Eco-Friendliness | | | | | | | | |
|--------------------|----------|---------|-----------------------|-------------|--|---|---|---|
| Test Item | Standard | Result | Quality Specification | Test Item | Standard | Result | Quality Specification | |
| Phthalates Content | DEHP | N.D. | N.D. | Heavy Metal | Total less than 1,000 mg/kg, only lead-less than 600 mg/kg | Pb | N.D. | Environmental Pollutants process test UNIT : mg/kg |
| | DBP | | | | | N.D. | | |
| | BBP | | | | | N.D. | | |
| TVOC | ≤ 0.1 | ≤ 0.004 | Formaldehyde | ≤ 0.08 | ≤ 0.001 | Method for Indoor Air quality process UNIT : mg/m ² h | | |
| Toluene | ≤ 0.015 | ≤ 0.001 | | | | | Method for Indoor Air quality process UNIT : mg/m ² h | |