

Date: 25th, Mar, 2024

TECHNICAL DATA SHEET

Number: PT24-0325

1. IDENTIFICATION OF MATERIAL AND MANUFACTURER

- (1) Product Name : TRENKO 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

TRENKO is a film composed of PVC material. TRENKO PRO is one of product type among TRENKO 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

It does not have protection. TRENKO 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 0.20 mm with a maximum width of 126 cm.

Physical property						
Test Item	Result	Quality Specification	Test Item	Standard	Result	Quality Specification
Pencil Hardness	3 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; 41.6 MPa Y; 45.0 MPa	ASTM D882 (KS M 3001-2022)				
Tearing Resistance	X; 103 kN/m Y; 110 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					Cd	N.D.	
	BBP					Hg	N.D.	
TVOC	≤ 0.1	≤ 0.004	cr+6	N.D.				
Toluene	≤ 0.015	≤ 0.001	KS M 1998-2002 (Small chamber method) UNIT : mg/m ² h	Formaldehyde	≤ 0.08	≤ 0.001	KS M1998-2022 Method for Indoor Air quality process UNIT : mg/m ² h	