



PRODUCT DATA SHEET

(for UV-offset and screen process)

PENSTICK® 5155

Clinging without glue to clean window glass. Easy placement, removal and reuse. No adhesive, thus no residue. It comes on a PE-coated TriPlan prime cardboard which gives excellent handling, feeding and printing properties.

Premium grade, particularly suitable for UV-offset printing. Very high transparency and high adhesion. Complies with European Standard EN 71-3 (Safety and toys, migration of certain elements 12/1988) and DIN 53160 (Prüfung von Kinderspielwaren auf Speichel- und Schweißechtheit 6/1974).

APPLICATION: For high quality durable signs, which require simple application, easy removability and reuse. Advertising on storefront windows, decoration, lettering with interchangeable characters, educational games and teaching aids, sun strips, and protection of delicate surfaces.

FILM:	Polyvinyl Chloride Calendared Film 0, 15mm (6 mils) /195 g/ sqm (.28lbs/ MSI) +/- 10% (DIN 53370 – 48h after separation from backing)
PRODUCT RANGE:	Clear, Clear Matt, White, White Matt, Opaque and Transparent Colours.
BACKING:	Prime Cardboard, White Surfaced, PE- Coating on front side. Excellent printability with customary printing processes.
BACKING:	0, 32mm (12.5 mils) / 215 g/ sqm (.31 lbs / MSI) +/- 7, 5%
COMPLEX:	0, 47mm (18.5 mils) / 410 g/ sqm (.59 lbs/ MSI) +/- 7,5%
SIZE TOLERANCE:	+/- 2mm, over 100cm (39.4 in) +/- 0, 3%
STORAGE CONDITIONS:	Original Packaging 21°C (70°F)/ 50% RH

PHYSICAL AND CHEMICAL PROPERTIES OF FACING FILM

DEGREE OF PLASTICISATION:	36% Plasticizer (Stabilization Cadium- free)
SPECIFIC GRAVITY:	1.3g/ ccm
SURFACE TENSION:	36 dynes/ cm +/- 2 dynes/ cm
CHEMICAL RESISTANCE:	Excellent water resistance, can be wiped clean using water and soft household detergent. Immersion in most esters, ketones, gasoline etc. is not recommended.
UV RESISTANCE:	Good. No appreciable yellowing or loss of transparency after normal exposure. Good fade resistance.
SERVICE TEMPERATURE RANGE:	-20°C (-5°F) to 70°C (155°F)
APPLICATION TEMPERATURE:	min. +5°C (41°F)
SHRINKAGE:	1 minute after separation from backing paper at 21°C (70°F) Machine direction: About -4%, Transversal: about +1%
DIMENSIONAL STABILITY:	No measurable shrinkage on applied parts
TENSILE STRENGTH:	Excellent (≥ 16 N/ qmm DIN 53455)
OPTICAL TRANSPARENCY:	Sheet: Water clear, occasionally slight flow- lines and fish- eyes Rolls: hazy, cloudy, slightly matt
ADHESION:	> 0, 08 N/ 25mm (FTM 1) on clean glass
PRINTABILITY:	3 Years by UV-offset and screen process
EXPECTED LIFETIME:	Indoors 5 years, outdoors 2 years (Central Europe)

PRODUCT PERFORMANCE AND SUITABILITY: All statements, technical information and recommendations about our products are obtained from tests believed to be reliable. They are provided as a guide only and shall in no event constitute a warrantee of any kind. MOLCO therefore undertakes no responsibility either from the result from their adoption or for any claims or liability arising from the use of the material. It is not recommended to swallow pieces of foil as they might harden in the stomach. Because conditions of use are beyond our control, all products are sold with the express understanding that the purchaser has independently determined the suitability of such products for its purpose. Subject to technical changes without prior notice.