

filmoplast R[®]

Technical Information

➤ General information

- ultra-thin, wood-free, transparent special paper
- the paper contains neither lignin nor hemi-cellulosis, but therefore a high percentage of alpha-cellulosis
- coated on one side with a heat-activated, plasticiser-free acrylate copolymer

➤ Areas of application

- (hot-)sealing of documents, newspapers etc. (either by laminator or sealing press)
- fissure repairs on modern papers

➤ Processing & Handling

- recommended temperature >110° C (approx. 230°F)
- detachable with acetone, alcohol or heat (recommended method)
- prior to detachment trials with acetone and alcohol, sufficient resistance of colors and inks against the solvents is to be tested
- prior to detachment trials with heat, reactivation (melting) by sufficient heating must be granted, to ensure detachment without mechanical damage
- for initiative as well as professional Tips on the Application please refer to the current Neschen catalogue „Products for libraries, archives and picture framers“ and on our homepage www.neschen.de

➤ Advantages / Special Features

- Certified anti-aging-properties! Tested (by the Papiertechnische Stiftung (“Foundation for Paper Technology”), Munich, (PBA-No. 21.495/3).
- easy and secure handling, for the heat activated adhesive needs no masking by siliconised paper (product is wound upon itself)
- the contained chalcogenic-carbonates neutralize and buffer the harmful acid substances, generated or included in many kinds of papers
- disposable via normal or paper waste
- further information or references will be given on demand

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➤ Technical Data

➤ Carrier:

Film type:	white special purpose paper		
Thickness [µm]:	34 ± 3	approx. 1 mil	
Weight [g/m²]:	8,5 ± 0,5		
Breaking Force [N/15mm]:	lengthwise: 5,0	crosswise: 3,0	DIN 53112, 50mm/min
Elongation at Tear [%]:	lengthwise: 1,8	crosswise: 0,8	DIN 53112, 50mm/min
Tear Resistance [N/mm²]:	lengthwise: 8,5	crosswise: 5,1	DIN 53122, 50mm/min
Tear Resistance wet [N/mm²]:	lengthwise: 2,5	crosswise: 1,3	DIN 53122, 50mm/min

➤ Adhesive:

Adhesive Type:	Polyacrylate Dispersion		
PH-value:	approx. 7,5		
Weight [g/m²]:	20,5 ± 2,5		
Adhesive Strength[N/25 mm]:	10 min: > 4,3	24h: n.a.	AFERA 4001

➤ Others:

Handling/Storage Conditions:	18° to 25°C / 60° to 80° F; 40-65% relative humidity		
Shelf Life [Years]:	4		
Temperature Stability:	-30 to +50°C	-20 to +120°F	
pH-Evolution in the Product: [referring to PTS-Method]	fresh Product: pH 8,7	aged Product: pH 7,8	
Humid Climate Stability:	the defined purpose of this product excludes its application in extremely humid surroundings		

All tests were performed in accordance with 23/50-2, DIN 50014.