

Filmoplast R

General information

- ultra-thin, transparent, technical Japanese-paper
- the paper neither contains lignin nor hemi-cellulose, but therefore a high percentage of alpha-cellulose
- coated on one side with a heat-activated, plasticizer-free acrylate copolymer

Areas of application

- for wood pulp board, manufacture approx from mid-19th century
- embedding of documents, newspapers or other archive documents with using a HSM Hot-Sealing-Machine
- repair of torn pages or patching missing sections (holes e.g.) in the document using the hot iron RT

Processing & Handling

- recommended temperature: > 100°C (approx. 212°F)
- possibly leads to bleeding of plasticized colours, own tests are necessary or will be issued on demand
- removable with acetone, alcohol or heat (recommended method)
- prior to detachment trials with acetone and alcohol, sufficient resistance of colours 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
- ALWAYS store the rolls together with the label respectively batch number! Without batch number or production number, no requests or claims can be accepted!
- please refer to the general application tips in our current catalogue for libraries, archives and picture framer and on our homepage www.neschen.de

Advantages / Special Features

- Magnesium Carbonate in the adhesive neutralises acids which may arise and migrate into the adhesive layer when paper fibres in old papers degrade
- the pH value of the paper including adhesive is more than 7,5 (slightly alkaline)
- the adhesive provides good adhesion, even repeated folding will not lead to lose the seal
- paper character of the original is preserved
- high bending strength
- certified anti-aging properties! Tested in 1999 by the Foundation for Paper Technology (PTS), Munich (PBA-No.: 21.495/3)
- references will be given on demand
- more information and an overview about Neschen products you can find at www.neschen.de



J&M handel
aps

Filmoplast R

TECHNICAL SHEET

Technische Daten / Technical Data

Träger / Carrier

Trägermaterial / Film type	Spezialpapier, weiß, transparent Specialpaper, white, transparent		
Dicke [µm] / Thickness [µm]	38± 5	approx.: 1.5 mil	
Flächengewicht [g/m²] / Weight [g/m²]	9± 1		
Bruchkraft trocken/ Tensile strength dry [N/15mm]	längs / lengthwise: > 4,5	quer / crosswise: > 0,96	DIN EN ISO 1924-2
Weißgrad/ whiteness [%]	> 60		

Kleber / Adhesive

Basis / Adhesive type	Polyacrylat Siegeldispersion polyacrylate sealing-dispersion
pH-Wert / pH-value	>7,5

Weitere Angaben / Others

Lagerbedingungen / Storage conditions	18° - 25°C/ 64 - 77°F; 40 bis 65% relative Luftfeuchtigkeit / relative humidity	
Lagerzeit [Jahre] / Shelf Life [Years]	4	
Raumbedingungen beim Verarbeiten/ indoor conditions for processing	5 - 40°C/ 41- 104°F	
Temperaturbeständigkeit/ Verblockungsneigung/ Temperature stability/ blocking tendency	Keine Verblockung/ no blocking	3 tägige Lagerung einiger Proben (Siegelkleber gegen Papierrückseite) bei 50°C Storage of some samples for 3 days (sealing against paperback) at 50°C/ 122°F
Entwicklung des pH-Wertes (Alterung gemäß PTS- Messung)/ pH-Evolution in the product (referring to PTS-Method)	Frisches Produkt/ fresh product pH 8,7	Gealtertes Produkt/ aged product pH 7,8
Feuchtklimabeständigkeit/ humid climate stability:	Der definierte Einsatzzweck schließt eine Verwendung in extrem feuchtem Klima aus/ 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

