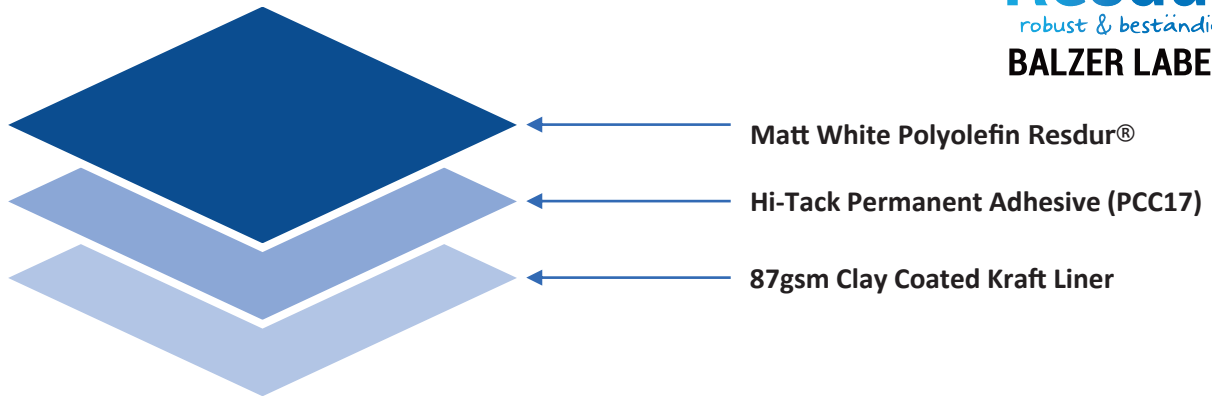


Resdur® Technical Datasheet



Matt White Polyolefin Resdur®

Hi-Tack Permanent Adhesive (PCC17)

87gsm Clay Coated Kraft Liner

Construction Overview

This self-adhesive Resdur® construction is a durable labelstock, designed specifically to withstand the harshest of environments.

Accredited with BS5609 Section 2 this material is ideal for applications where reliability matters. A matt white facestock combined with a hi-tack permanent adhesive combines to form a product built to last.

Printable with all traditional printing methods ensures that one material can be utilised across a range of printers for ultimate versatility.

Properties

- Synthetic Paper
- Microporous Structure
- Durable
- Bondable
- Printable
- Secure

Applications

- GHS Compliant Labels
- BS5609 Certified Labels
- Drum / Pallet / Shipping
- Medical / Pharmaceutical
- Identification / Safety / Warning

Printability

- Laser
- Inkjet
- Thermal Transfer

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PL01

175µ Matt White Resdur® is a truly unique synthetic sheet that looks, prints and fabricates like paper, while featuring the benefits of plastic films. It can be printed with offset, letterpress, gravure, flexography (UV Flexography will require a primer prior to applying UV curable inks). Inkjet, screen, laser and thermal transfer processes. It can also be foil stamped, embossed, die-cut, laminated and thermally formed. It is durable, flexible, water and chemical resistant. PL01 should be covered at all times to prevent damage or discolouration of the material. The material should be stored in an area away from contact with combustion, exhaust fumes or other sources of indoor pollution. These agents can cause discoloration of PL01.

Typical Properties*

Thickness	178µ ± 17.8µ
Weight Target range	102-119 gsm
Average 115gsm	
Tensile Elongation at Break MD	17.7N/cm
Sheffield Smoothness top surface (Print)	
Target range 10-65	TAPPI T 538
Average 50	
Sheffield Smoothness bottom surface (Adhesive)	
Target Range 10 - 100	TAPPI T 538
** Average 68**	

PCC 17

PCC 17 is a permanent acrylic pressure sensitive adhesive. It is a high peel, low shear permanent adhesive suitable for adhesion to difficult surfaces. It has very good humidity and water resistance to BS5609. This adhesive is suitable for indirect contact with foodstuffs in accordance with the USA Code of Federal Regulations, 21 CFR., Chp.1., Part 175, Sub parts A + B, Section 175 – 105 "Adhesives", 21 CFR 176 – 170

Typical Properties*

Coat Wt. / Thickness	40gsm m ² ± 3gsm / 40µ ± 3µ
Adhesion (FTM 1) (N/25mm)	24
Tack (FTM 9) (N/25mm)	16
Shear Strength (FTM 8)	>2 hrs

The normal upper service temperature is 150°C. The lower application temperature is -5°C and adhesion can be maintained down to - 40°C. Area must be dry and clean on application.

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87 g 1 side White Clay Coated Kraft, 1 side solvent less silicone coated release paper.

Typical properties*

Weight	87gsm ± 3gsm
Thickness	93µ ± 6µ
Tear MD	450mN minimum
CD	500mN minimum
Release Values	17.5 ± 7.5 Low speed g/25mm

Keep all rolls in their wrapping until required for processing.

Avoid wide variations in temperature and humidity in storage. Temperatures between 18°C – 23°C (64°F – 73°F) and a relative humidity between 50%-65% are the best conditions. Providing correct packaging and storage of the reels, we guarantee them for 6 months after passage of risk.

The above data represents the averages obtained in our Laboratory. Specification for use and final result's correspond to our best technical experience but cannot be intended as our commitment of liability. User will determine the suitability of the product and method of application for each specific use.

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