



Garden Street,
Ramsbottom,
Bury, Lancashire,
BL0 9BQ
Tel: 01706-828208
Fax: 01706-828820
enquiries@polymers.co.uk
www.polymers.co.uk

**Manufacturers of Water Based Adhesives
Coatings and Polymer Systems**

TECHNICAL DATA

PRODUCT CODE : **FP 2068**
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INTRODUCTION

FP 2068 is a water based adhesive specifically designed for wet lamination of aluminium foil or metallised film to paper, glassine and cardboard.

It will also bond paper to paper provided the coating weight is increased sufficiently to allow for absorption into the paper surface that the coating is applied to.

The main end use being high performance food packaging.

Trials have shown the adhesive can withstand severe embossing immediately after lamination.

This grade of adhesive has the major benefit of being **casein and starch free**, removing any food allergen concerns with these additives.

FP 2068 when fully dried is resistant to water and grease.

This makes it ideal for wrapping butter, cheese, chocolate and stock cubes in aluminium foil/paper laminates.

To obtain high heat resistance (ie above 200degC) it is recommended that crosslinker **FP2067** is added press side. The recommended addition level is **1% wet on wet**.

The crosslinker addition requires only gentle stirring prior to the adhesive entering the tray.

TECHNICAL ADVANTAGES

One of the challenges faced with wet bond lamination is maintaining a good wet edge on to the foil during lamination to the paper irrespective of the temperature and humidity of the surrounding area on the lamination machine. FP 2068 contains a food contact approved additive which has shown to have a good open wet edge at both high and low temperature and humidity levels.

PROPERTIES

Total Solids Content, %	34.0 +/- 1%
Viscosity (ready for use)	1000 -1200 c poise
pH	7.0 – 8.0

COATING WEIGHT

Wet bond coating weights must be carefully controlled on the press.

The adhesive coating weight and grade of paper will directly influence the level of paper fibre tear in the finished laminate.

A target dry coating weight of between **2.0 – 2.5 gsm** being the accepted level for most paper grades.

FOOD CONTACT

The dry film components of FP 2068 meet the necessary direct food contact regulations for food packaging.

Further details can be made available on request.

STORAGE AND HANDLING

FP 2068 should be stored in sealed containers and kept at temperatures between 5 and 30^oC. If the warehouse is cool (i.e. 5-10 deg C) it is advisable to bring the adhesive into the factory to acclimatise the adhesive to room temperature before use. Do not store containers in direct sunlight.

The adhesive requires only gently stirring before use to ensure the individual components of the formulation are homogeneous.

In order to prevent the adhesive sticking to the application rollers the applicator should be kept running during any machine stoppages.

Provided the adhesive remains wet the machine can be easily cleaned with warm water.

Dry film deposits may require some solvent.

It is highly recommended that adhesive is pumped through a clean peristaltic pump from the IBC into the press tray.

SAFETY DATA

Appropriate personal protective equipment must be worn when handling FP 2068. Full details are given in the appropriate Material Safety Data Sheet.