

## Characteristics of ALFA D 2139

### Adhesive:

**ALFA D 2139** is a water based synthetic resin, suitable for the bonding of paper, cardboard, aluminum foil.

### Application:

Usable for roller and hand application, especially designed for photobook application.

### Properties:

Good machine running properties. Laminating adhesive with good lay-flat.  
The adhesive has a transparent and dull surface. Curing time: long.  
surface is dull.

### Specifications:

Content	softener free copolymer dispersion, odourless
Solid content	approx. 65%
pH Value	approx. 7
Viscosity Brookfield RVF: Spindel 4, 20 U/min	approx. 2200 mPas
Tear resistance:	approx 7
Tear resistance:	approx. 3 N/mm <sup>2</sup>
Medium size of particles	0.5 my
Storage	tightly closed, possible for at least 6 months by temperatures +5°C...+40°C
Cleaning	washable with water
Dangerous contents	none

The adhesive is frost sensitive ! Temperatures below 0°C will destroy the adhesive.

### Important Notice:

The particulars on this data sheet are based on our present knowledge and experience. Of course each user has to make his own tests when using our products. Our data sheet cannot be considered legally binding in the case of certain material or suitability for all applications. Rules and legislation in each country have to be taken into consideration and we cannot be held responsible for local regulations unknown to us.

In case of any problem, please consult us.

June 2009