



**HIGH POLYMER
CONTENT HOTMELT
ADHESIVES
WITH
LICOENE® PERFORMANCE
POLYMERS**

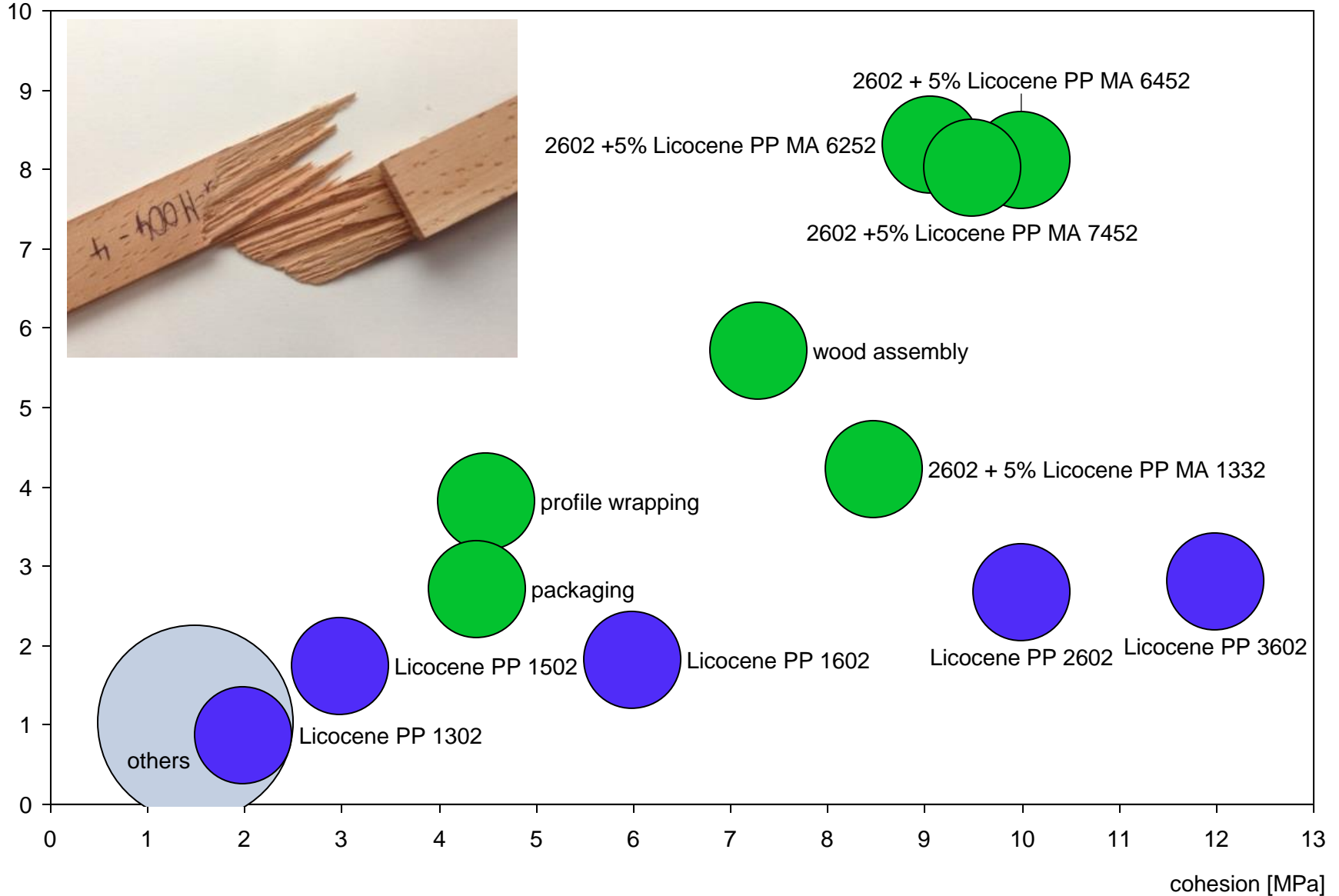
Confidential

Dr. Erik Hauck
BU Additives
21.10.2015

what is precious to you?

adhesion [MPa]

cohesion vs adhesion



Packaging I

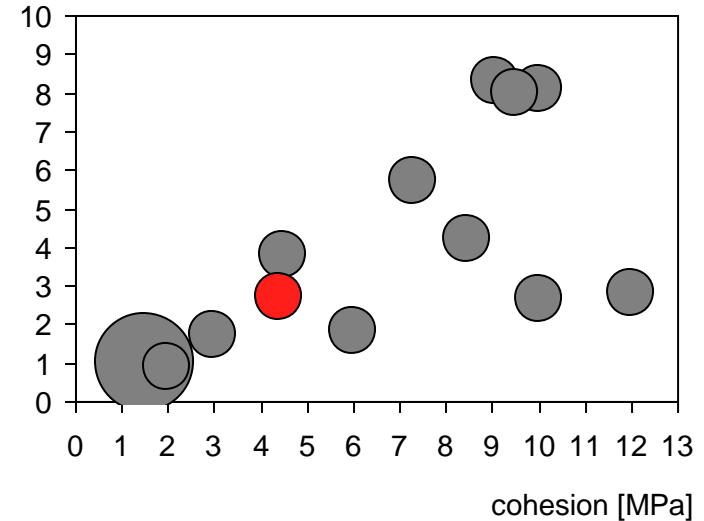
- Licocene PP 1502 55%
- Licocene PP MA 6452 5%
- Licocene PE 3101 5%
- Licowax PE 520 20%
- Infuse 9817 15%

Softening point: 118°C
Viscosity @150 °C ~ 5.000 mPas
Open time: 3 – 5 sec
Set time: 3 – 5 sec

Soft formulation with Shore 84 A => critical substrates?

adhesion [MPa]

CLARIANT



Packaging II

- Licocene PP 1302 20%
- Licocene PP 1502 35%
- Licocene PP 2602 30%
- Licocene PP 6102 5%
- Licocene PP MA 6252 5%
- Licocene PE 3101 5%

Softening point:

115°C

Viscosity @150 °C

~ 1.900 mPas

Open time:

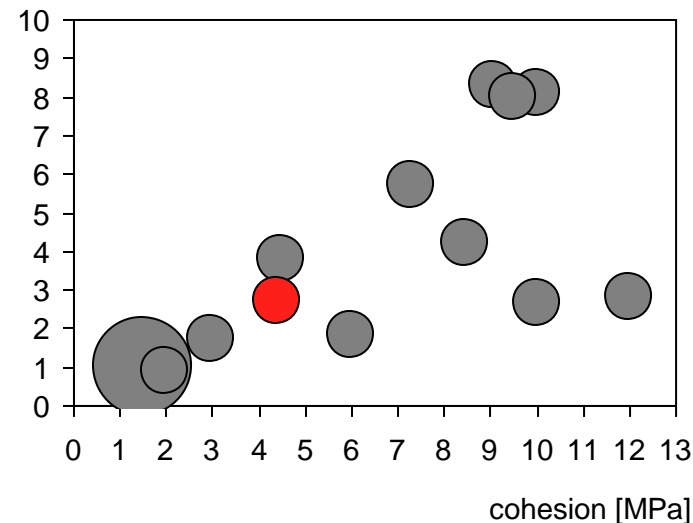
14 sec

Set time:

13 sec

adhesion [MPa]

CLARIANT



Packaging III

- | | |
|--------------------|-----|
| – Licocene PP 2502 | 75% |
| – Licocene PP 6102 | 5% |
| – Escorez 5600 | 13% |
| – Licocene PE 3101 | 7% |

Softening point:

117°C

Viscosity @150 °C

~ 2.000 mPas

Open time:

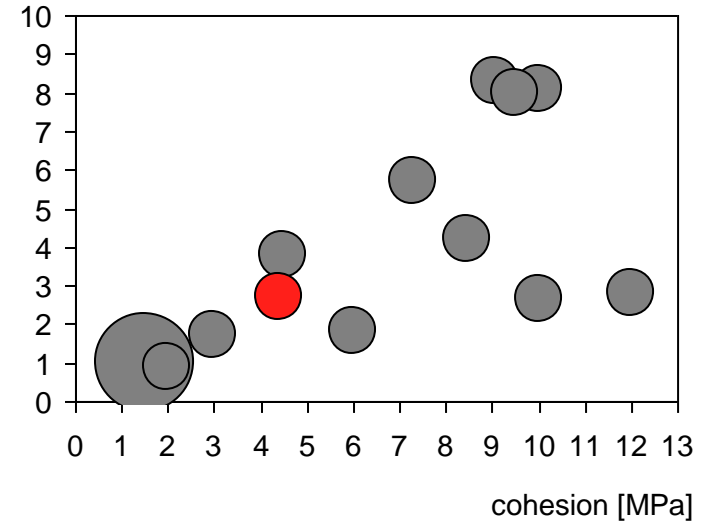
4 sec

Set time:

2 sec

adhesion [MPa]

CLARIANT



General assembly

For wood, textile

- Licocene PP 1302 20%
- Licocene PP 2602 72%
- Licocene PP MA 6252 4%
- Licocene PP 6102 4%

Softening point

105°C

Viscosity @160 °C

~ 3.800 mPas

Open time:

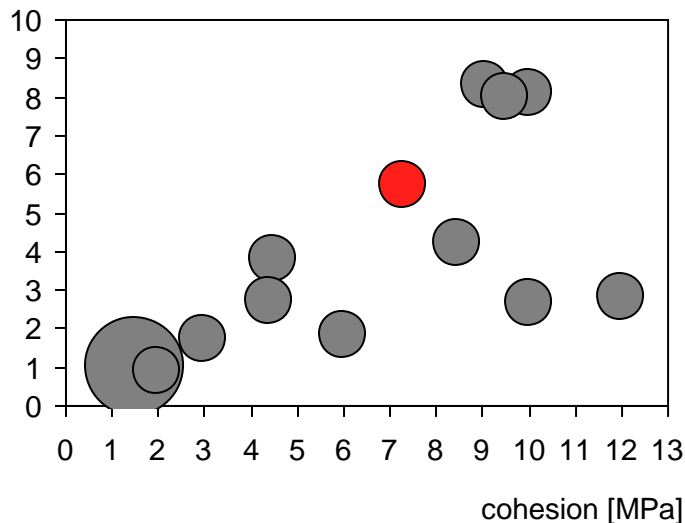
15 - 20 sec

Set time:

10 - 15 sec

adhesion [MPa]

CLARIANT



Profile wrapping

- Licocene PP 1602 70%
- Licocene PP MA 6452 5%
- Polyolefin 25%

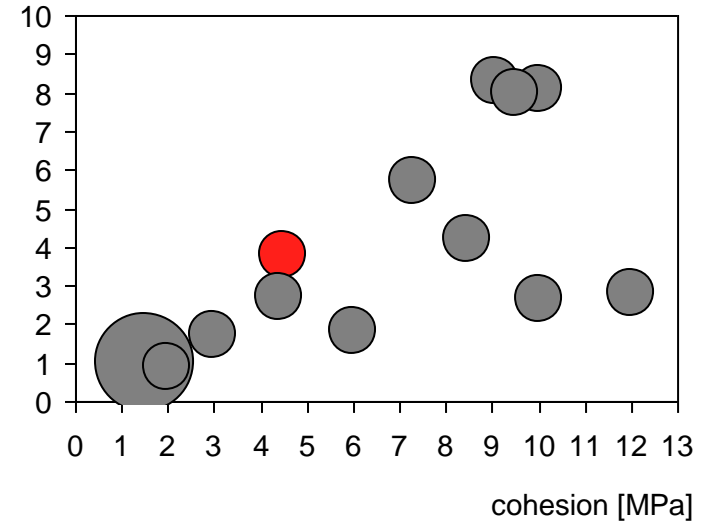
Softening point:
Viscosity @170 °C

150°C
~ 15.000 mPas

With superior heat resistance and lower add-on.

adhesion [MPa]

CLARIANT



Diaper construction

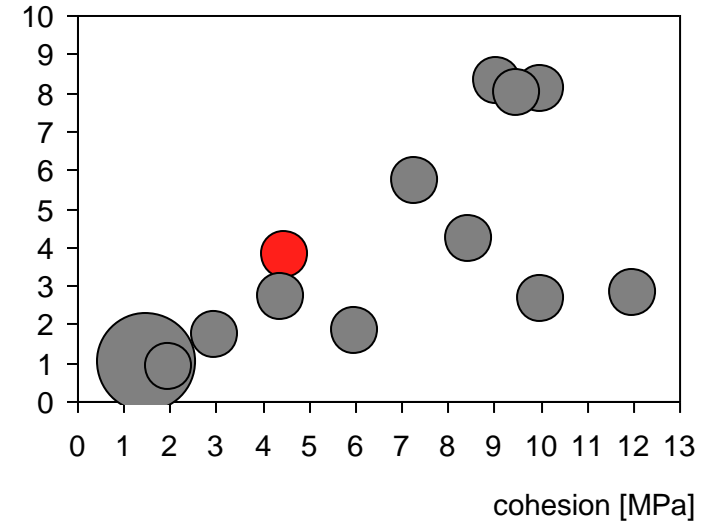
- Licocene PP 1602 45%
- Resin 45%
- SEBS 5%
- Paraffinic oil 5%

Softening point: 90°C
Viscosity @170 °C 3.000 mPas

With superior heat resistance and lower add-on.

adhesion [MPa]

CLARIANT



Critical laminating (e.g. aluminium)

- | | |
|--------------------|-----|
| – Licocene PP 2602 | 75% |
| – Priex 70010A | 25% |

Softening point:

110°C

Viscosity @170 °C

~ 11.000 mPas