



neoflex

ADHESIVES

BOOKBINDING ADHESIVES

PUR

Books have been with human beings for years, allowing them to transmit wisdom from generation to generation, and building what today we know as education.

The binding of a book tells us a lot about it, its packaging and presentation, so we must take care to the smallest detail. But beyond the first impression, we hope our books have a very long life, and therefore it is necessary to use the best adhesives.

Neoflex offers a range of adhesives hotmelt of reactive polyurethane that cover all kinds of application needs. These adhesives offer a great resistance to high temperatures, flexibility, openness and adaptation to different materials, assuring the compliance with the strictest standards of quality.

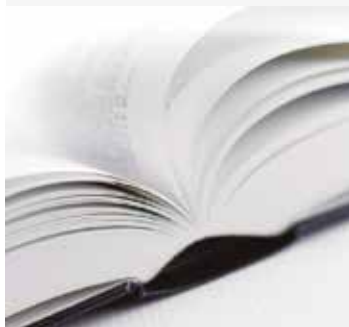




PUR ADHESIVES

Bookbinding

NEOTHERM PU-3454 is an adhesive highly recommended due to its short open time and its high initial strength, which make it suitable for most processes.



PUR adhesives have two different curing processes:

- Firstly, there is a physical process of change of state from liquid to solid, by cooling, that provides the initial cohesion.
- Then, there is a chemical reaction with moisture, which gives the product high resistance to temperature and extreme environmental conditions.

PUR hot melt adhesives react with the moisture present in the environment during the process of production or with the moisture present in the materials, resulting in thermostable glueing.

These types of adhesives are being increasingly demanded due to the multiple advantages they offer, particularly the possibility of increasing the speed of production processes and increasing the resistance to temperature, hydrolysis and other external agents.



NEOTHERM PU	3310	3310 MLE	3454	3454 MLE
Viscosity (mPas/120°C)	7.500 ± 2.500	7.500 ± 2.500	7.500 ± 2.500	7.500 ± 2.500
Processing temperature (°C)	110 - 150	110 - 150	110 - 150	110 - 150
Initial strength	B	B	B	B
Open time	■■■■	■■■■	■■	■■
Application	Nozzle or roller system to the book spine.	Nozzle or roller system to the book spine.	Nozzle or roller system to the book spine.	Nozzle or roller system to the book spine.

Initial strength: **A** Excellent **B** Good **C** Medium
 Open time: ■ Very short ■■ Short ■■■ Medium ■■■■ Long



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