

GLUETEX

Hotmelt adhesive films/tapes

Adhesive films - application and processing

Gluetex GmbH offers hotmelt adhesive tapes and adhesive tapes based on copolyester, copolyamide, polyethylene and polyurethane. Hotmelt tapes are solvent-free and therefore an environment friendly alternative to conventional liquid glues.

The activation of the hotmelt films and the tapes can be done by heat, ultra sonic, hot air, thermal pulse, infrared radiation and high frequency. Therefore, it is possible to apply different technologies for processing these products.

The cooling down and the solidification of the adhesive occurs within a few seconds. Thereby, the glued products are right away able to work under pressure and ready for any further processing.

Performance:

- Solvent-free adhesive
- Precise and clean application possible
- The glued seam is right away leak-proof and ready to work under pressure
- The adhesive films are flexible and elastic
- Wide range of hotmelts with different technical performances (melting temperature, bonding etc.) available
- Different widths and thicknesses can be produced

Applications:

- Clothing
- Automobile branch
- Tent production
- Boat covers (persenning)
- Textile sun protection
- Medical technology
- Industrial applications



Hotmelt adhesive films matrix (excerpt)

	Polyurethane - UKF				Polyester - AU			Polyamide - NKF		Polyethylene - EKF		
	410	438	440	472	110	130	160	600	610	210	220	230
Melting temperature in °C	135-145	75-85	170-180	90-100	110-120	130-140	150-160	100-110	130-140	75-85	70-80	70-80
Standard thickness in mm	0,152	0,127	0,127	0,127	0,127	0,127	0,127	0,152	0,127	0,051	0,102	0,076
Washing resistance	yes				yes			yes		no		

Good bonding with:

Polyester	√	√			√	√	√	√				
Cotton	√	√	√	√	√	√	√	√	√		√	
Nylon	√	√		√				√	√			
Lycra	√	√		√				√			√	

PVC	√	√	√	√	√	√		√				
Polyurethane	√	√	√	√				√				
Polycarbonate		√		√	√	√				√	√	√
Polyethylene										√	√	√
Polypropylene										√	√	√

Wood	√	√	√	√	√	√	√	√	√	√	√	√
Leather	√	√	√	√	√	√		√	√		√	√
Paper	√	√	√	√	√	√	√	√	√	√	√	√

Aluminium		√		√	√	√				√	√	√
Cooper		√	√	√	√	√	√			√	√	√
Steel		√		√	√	√	√		√	√	√	√

* visual appearance of all adhesive tapes from milky to transparent.