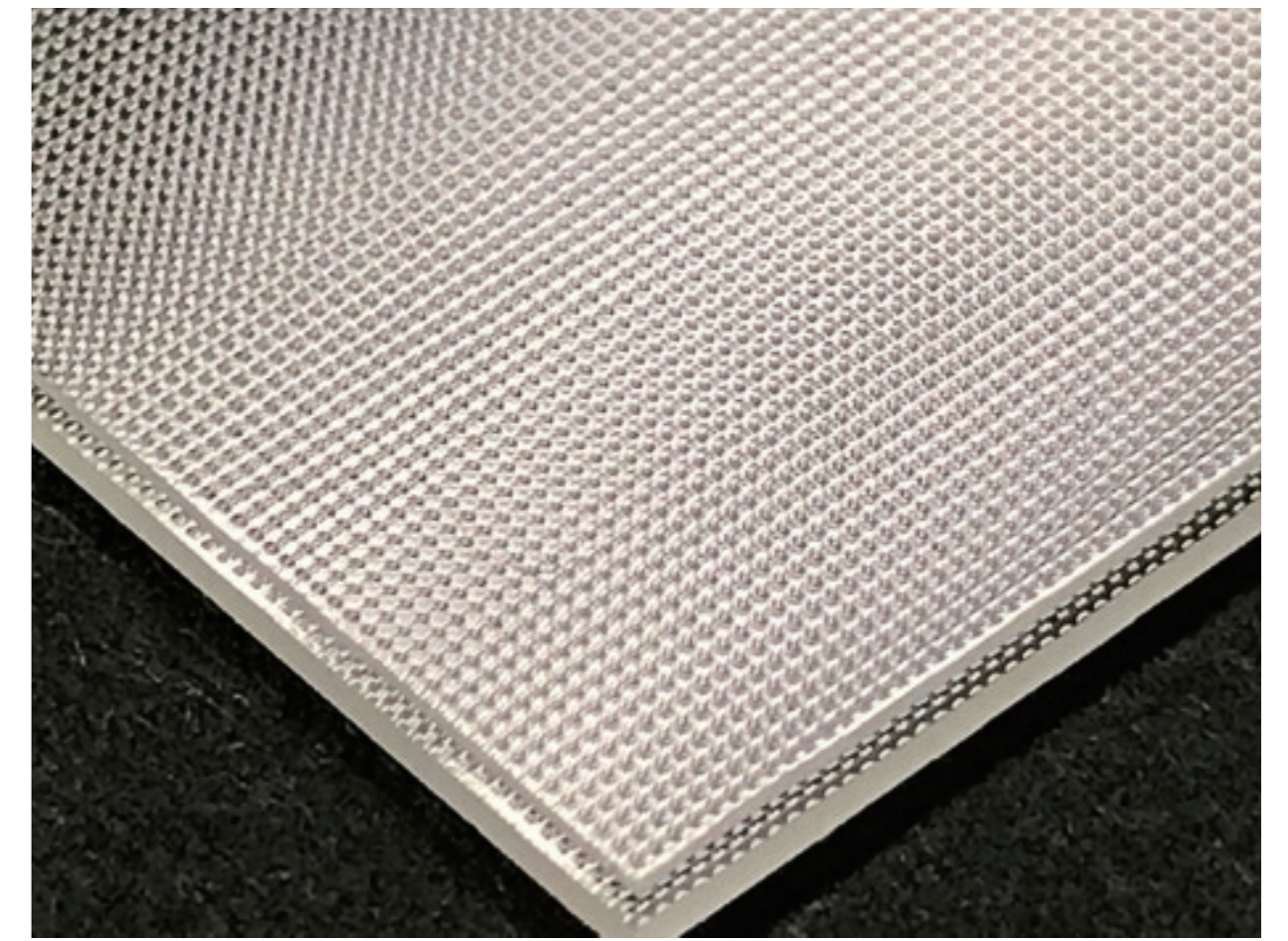


Microtransfer Print Materials for μ -LEDs

STP Series

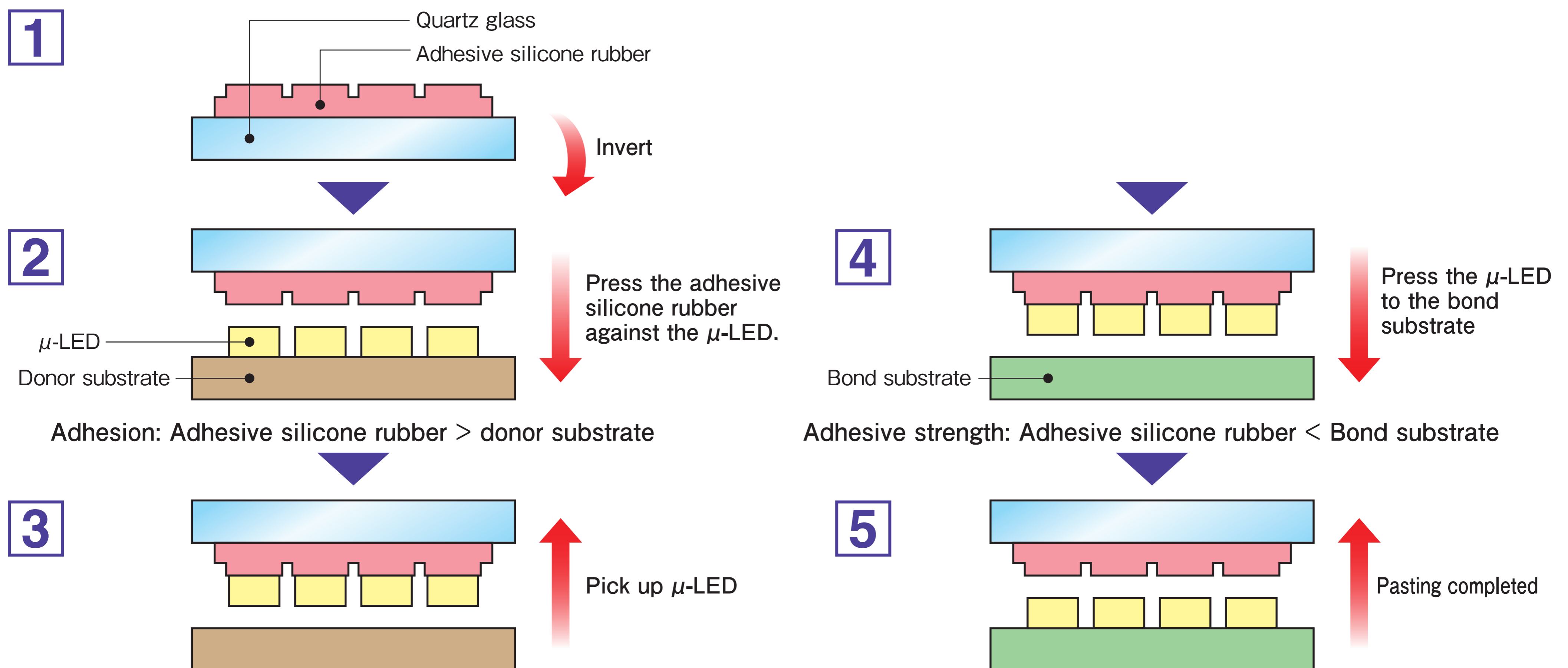
Features

- Adhesive silicone: A variety of lineups based on differences in hardness and adhesiveness
- UV cure radical polymerization type (one component) and heat cure type (two component)
- Since the adhesive strength does not drop and the repeat durability is excellent, it can be used for mass transfer of micro-precision components such as μ -LEDs.



We can create the desired design and offer it. Please consult us about the shape you want, such as a flat or dot.

Model of the microtransfer process



■ UV radical type : STP-1XX-UV*
■ Two-component addition cure type : STP-2XX-A/B
■ One-component addition cure type : STP-301X

STP series product lineup Hardness vs. Adhesion strength

Adhesion strength (MPa)	Hardness Durometer A								
	10~15	15~20	20~25	25~30	30~35	35~40	40~45	45~60	
High	2.00~2.50					STP-104-UV			
	1.50~2.00								
Medium	1.00~1.50		STP-102-UV						
	0.50~1.00			STP-103-UV				STP-109-UV	
Low	0.10~0.50		STP-101-UV	STP-201A/B STP-105-UV	STP-106T-UV	STP-203-A/B		STP-202-A/B STP-108-UV	
	0.00~0.10	SIM-360 Mix ratio:100/2		SIM-360 Mix ratio:100/4	STP-110-UV STP-204/(CAT)	SIM-360 Mix ratio:100/6	STP-301X	SIM-360 Mix ratio:100/10	

* STP-1XX-UV Recommended Light Source: Metal halide lamp
Do not use high-pressure mercury lamps because they do not develop adhesive strength.