

Major strengths

- Biocompatible USP Class VI
- No absorption
- Shelf life of 2 years
- Optically clear
- Low fluorescence
- Low water vapor evaporation

A device adapted for Soft-lithography applications

- Easily molding and bonding, the Flexdym enables a quick prototyping process
- Using common industrial techniques (hot embossing process), Flexdym is easily transferable from research to development
- Thin, cheap, permeable to gas and not to liquid,... The Flexdym appears as the best candidate for next organ on a chip devices

Safety & Protection

- Complete biocompatible component. No gloves or safety equipment required to handle it

Warranty

Warranty 1 year



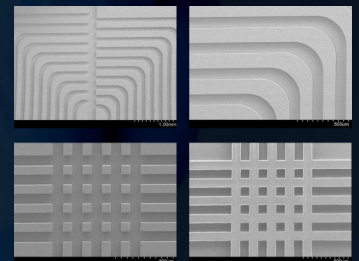
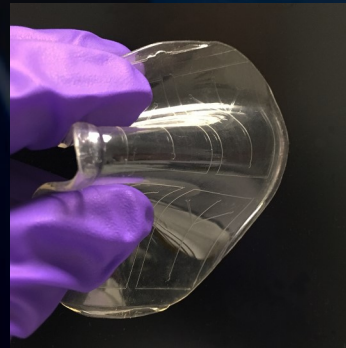
▶ Flexdym™

▶ FEATURES

Flexdym™

The Flexdym is a new polymer for microfabrication. It's a copolymer block solution. Its similarities with the PDMS but without the drawbacks make it the perfect candidate for microfluidic chip.

It can be quickly patterned with a vacuum heat press in 1min and it doesn't need any plasma or treatment surface to be bonded, only a hot plate is needed.



▶ SPECIFICATIONS

Flexdym sheet dimensions	150 x 150 mm
Thickness	300µm — 750µm — 1,3mm
Hardness Shore A	35
Specific Gravity	0.9 g/cm ³
Tear Strength	15 kN/m
Tensile Strength	7.6 kN/m
Elongation	720 %
Molding temperature	115-185 °C
Molding pressure	35 Torr

They trust us



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