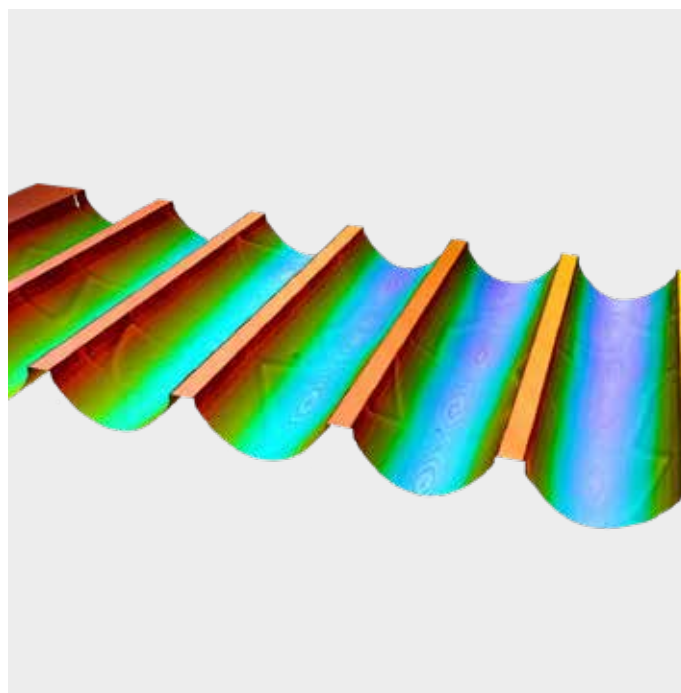
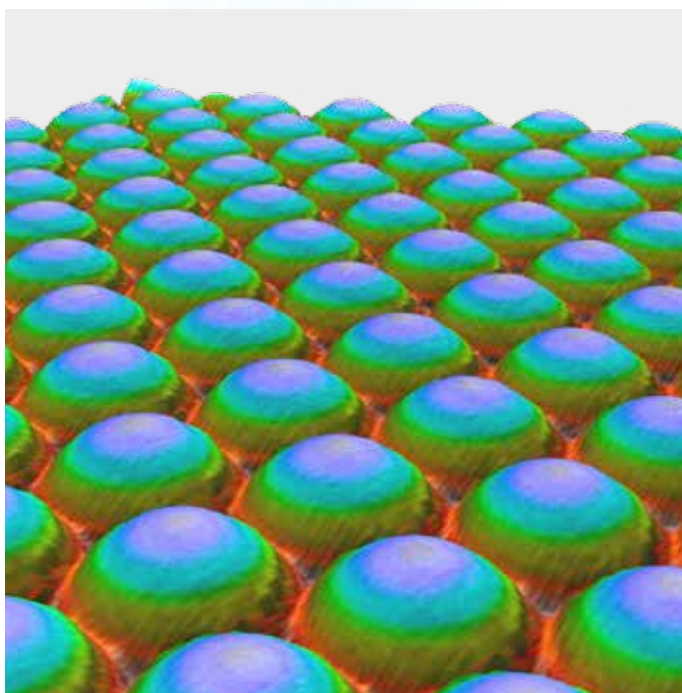


ULTRA THIN MLA FILMS

Microlens array films manufactured by UV roll-to-roll imprinting



Key benefits

- Ultra thin and flexible (down to 20 μm total thickness)
- Excellent optical performance by precise structures
- Customized arrangements and parameters

Applications

- Displays
- Diffusers in BLU
- CCD and CMOS sensors
- Fiber couplers
- 3D imaging and VR
- Security and surveillance

Specifications

- Shape: spherical, cylindrical, elliptical (convex and concave)
- Arrangement: hexagonal, rectangular (up to 100 % fill factor), custom
- Lens height: 0.5-10 μm
- Lens minimum radius: 1 μm
- Smallest F-number: $f/1$
- Surface quality: optical, roughness < 50 nm
- Materials: PET, PMMA, PC
- Max surface area up to 400 X 400 mm, seamless



LIGHTGUIDES AND LIGHT
MANAGEMENT FILMS FOR
EXCELLENT PERFORMANCE

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