SOLNIL
Nanoimprint your world

ANTI-REFLECTION STRUCTURES FOR HIGH POWER LASERS

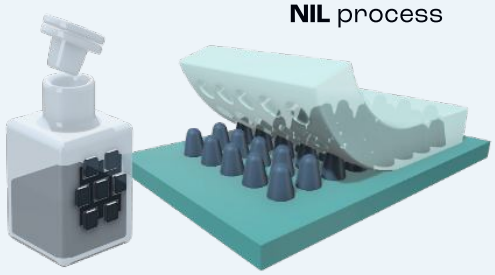
DIRECT PRINTING OF MOTH-EYE

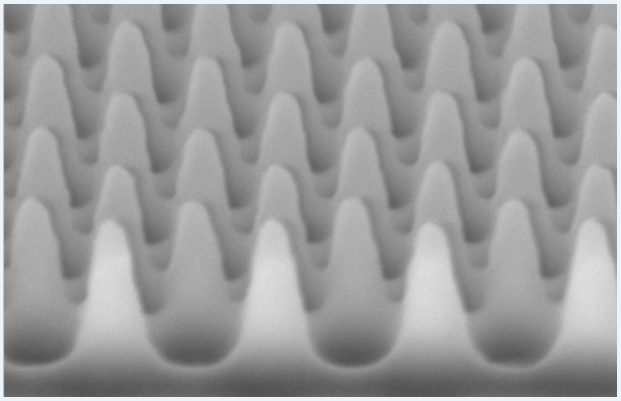
LIDT: > 150 J/cm² - 1060 nm – 12 ns

SOLNIL's printable resins can be framed in 3D structures atop glass, fused silica, sapphire, Si, SiC, Ge, etc. Our broad-band and wide angle, moth eye anti-reflection coatings withstand high laser fluxes from femtosecond to nanosecond and CW.

Metal oxide **RESINS**

NIL process





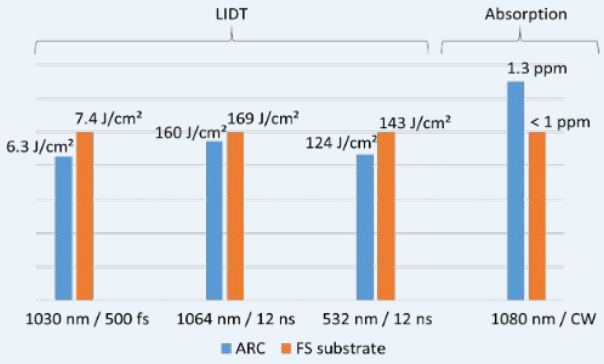
CHARACTERISTICS:

Reflection	< 0.5%/face
Transmission (θ)	> 98% up to 50°
LIDT	Close to fused silica
Spectral bandwidth	400 < λ < 1400 nm 800 < λ < 2000 nm

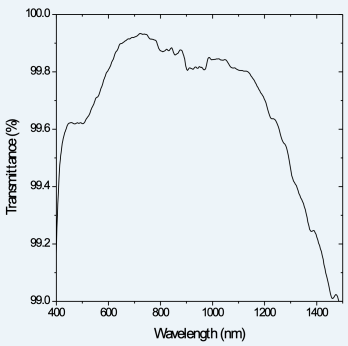
MATERIALS:

Metal oxide RESINS

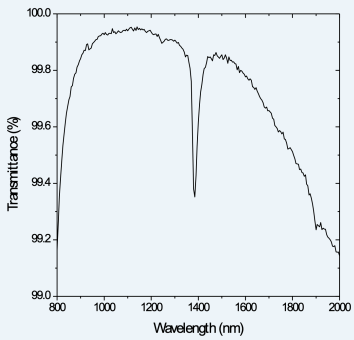
SOLNIL develops its own materials from inorganic RESINS with adjustable optical constants **(n = 1.12 - 2.60)**, that are highly transparent from UV to MWIR.



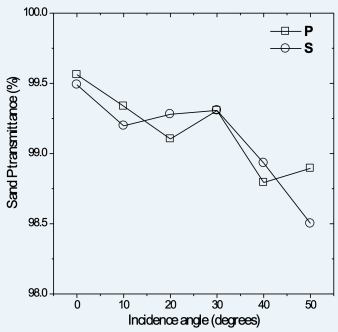
VIS-NIR



NIR-SWIR



ANGULAR @1000



contact@solnil.com
www.solnil.com
Marseille, FRANCE