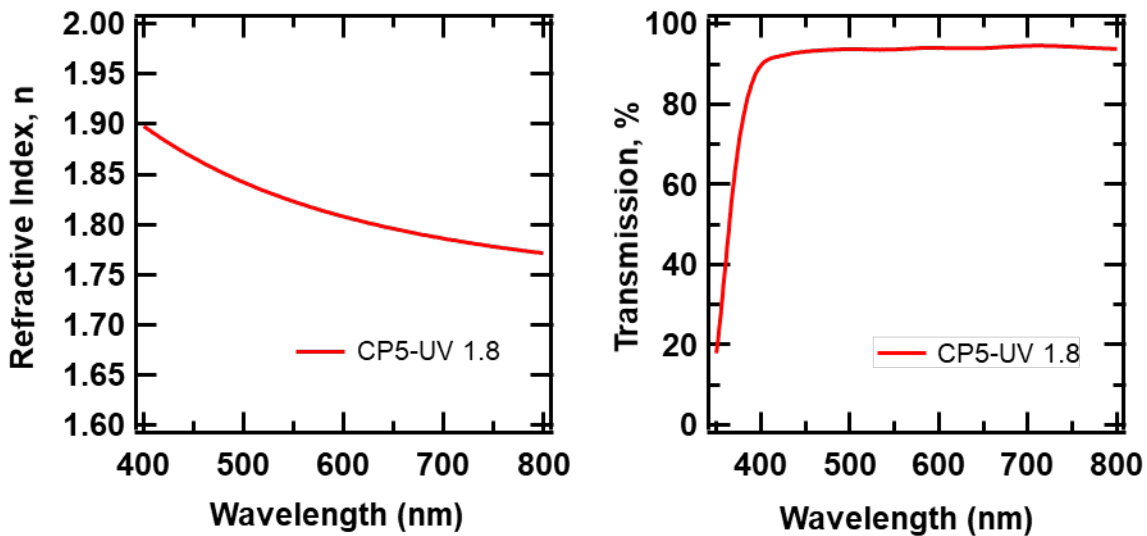




## HighRI-CP5-UV1.8

(UV-light Curable High Refractive Index Resin without nanoparticle fillers)

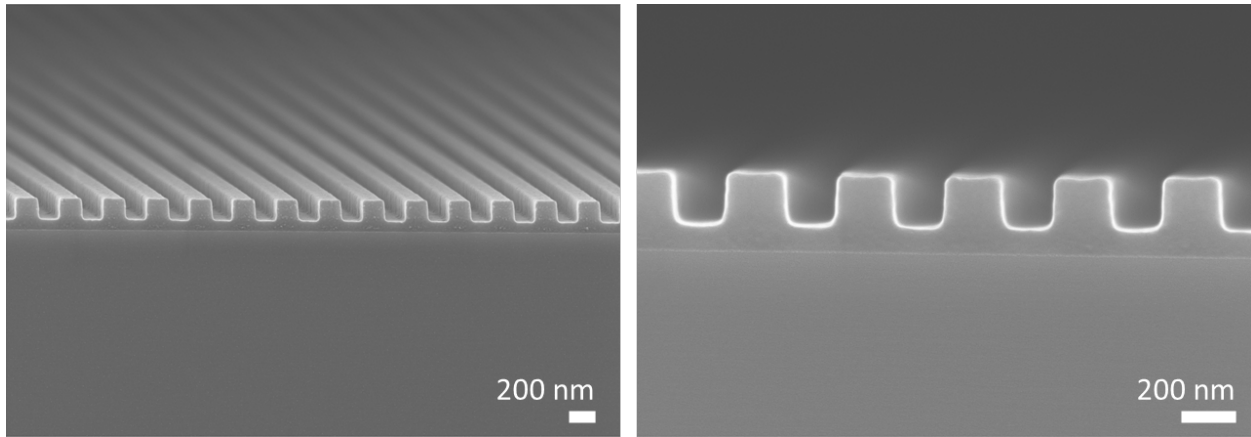
CP5-UV is a high refractive index and purely organic resin, spin on solution, specifically developed for UV imprinting.



Refractive index and optical transmission of HighRI-CP5-UV resin.

<b>Chemical Type</b>	Acrylates
<b>Refractive Index @ 590 nm</b>	1.808
<b>Appearance</b>	Liquid phase
<b>Compatible Solvents</b>	Cyclopentanone/Toluene/Chlorobenzene
<b>Curing type</b>	UV light
<b>Curing conditions</b>	7 J/cm <sup>2</sup> (365 nm wavelength)
<b>Transparency @ 400nm</b>	> 90% (1 μm thick film)
<b>Dispensing Method</b>	Spin coating
<b>Nanoimprint Lithography Capability</b>	Yes

- The solution should be kept in the fridge.
- Oxygen may inhibit surface cure.



*SEM cross-section of imprinted gratings with HighRI-CP5-UV1.8*