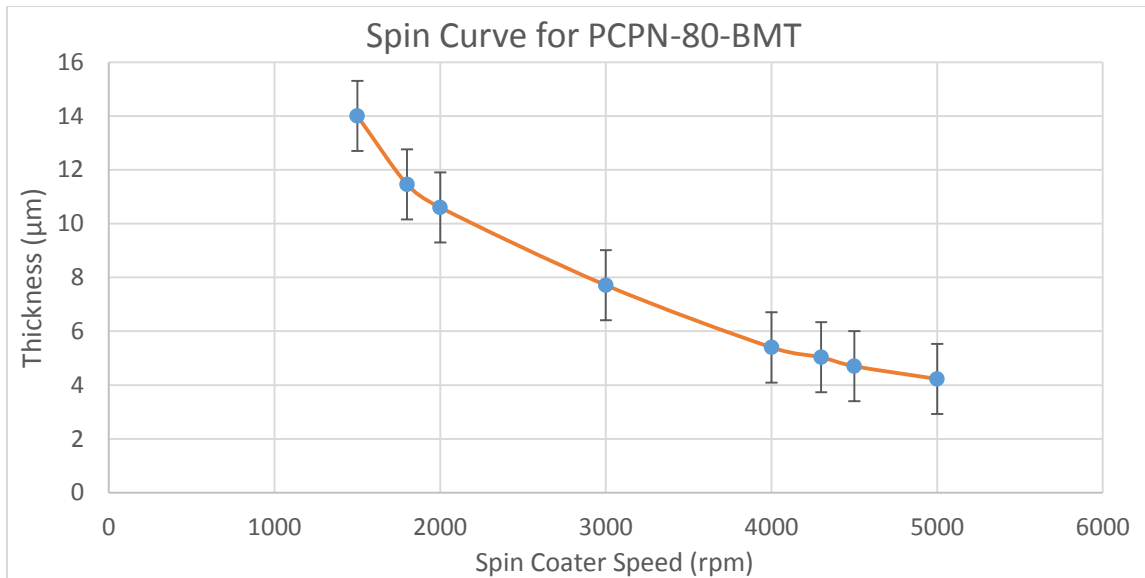


Recommended Process: Benzyl Methacrylate–TMPTA Nanocomposite Film by Spin Coating

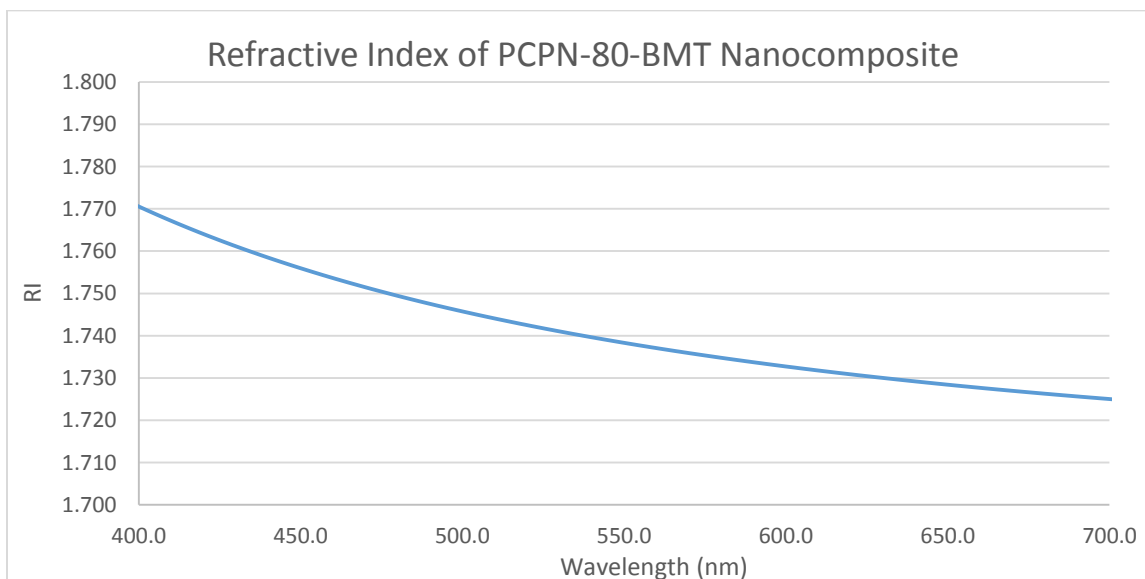
Nanocrystal: ZrO₂ – PN (80wt% loading in monomers)

Monomers: Benzyl Methacrylate – TMPTA

Photoinitiator: Benzophenone (5wt% compared to monomer)



1. Spin film of PCPN-80-BMT to desired thickness
2. 180 second cure using a Dymax EC-5000 system with a mercury “H” bulb (50mW/cm²)
3. Post-bake: 120°C for 3 minutes in air



%T	>95%
RI @ 633nm	1.73
Abbe Number	37.4
Viscosity (formulation)	~800 cPs

