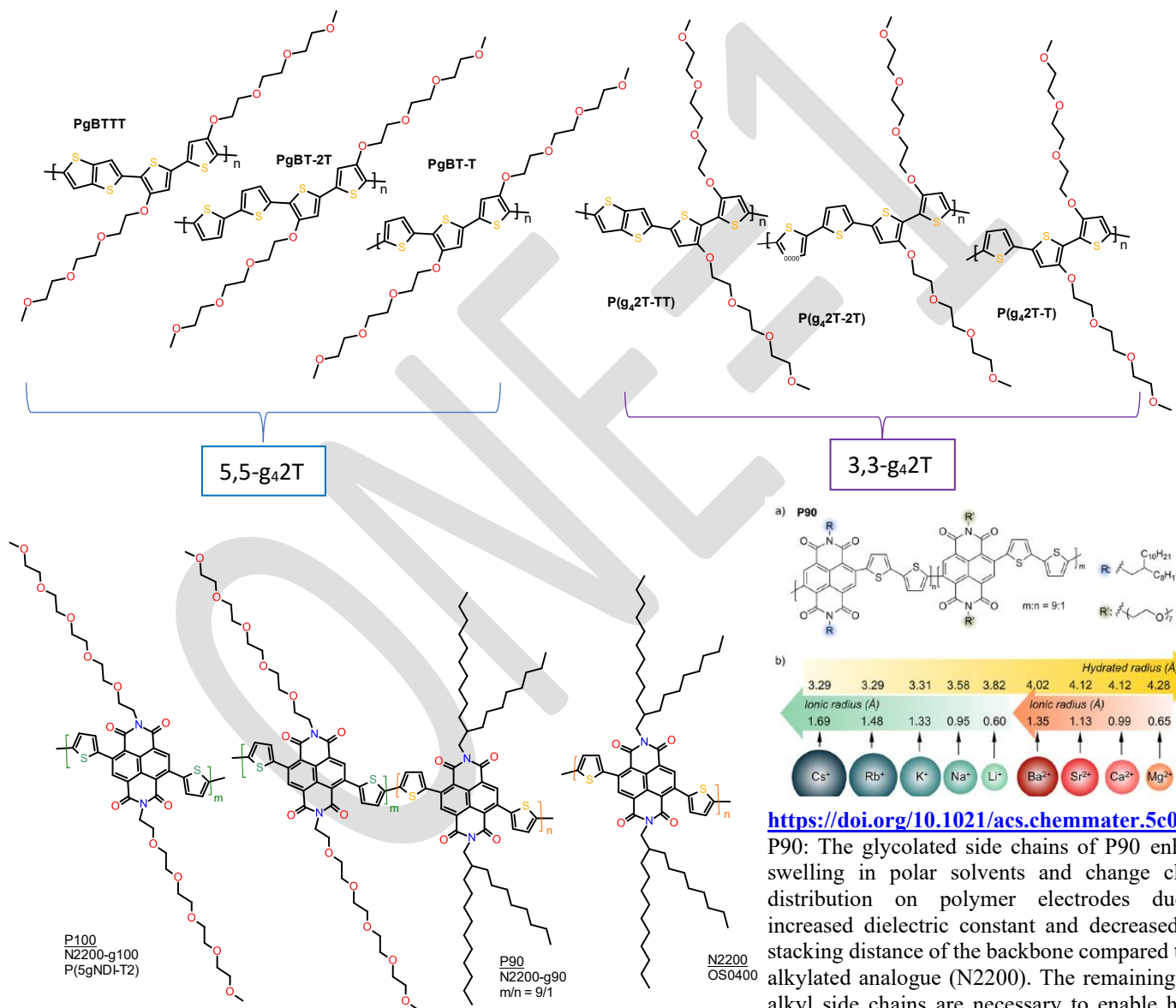


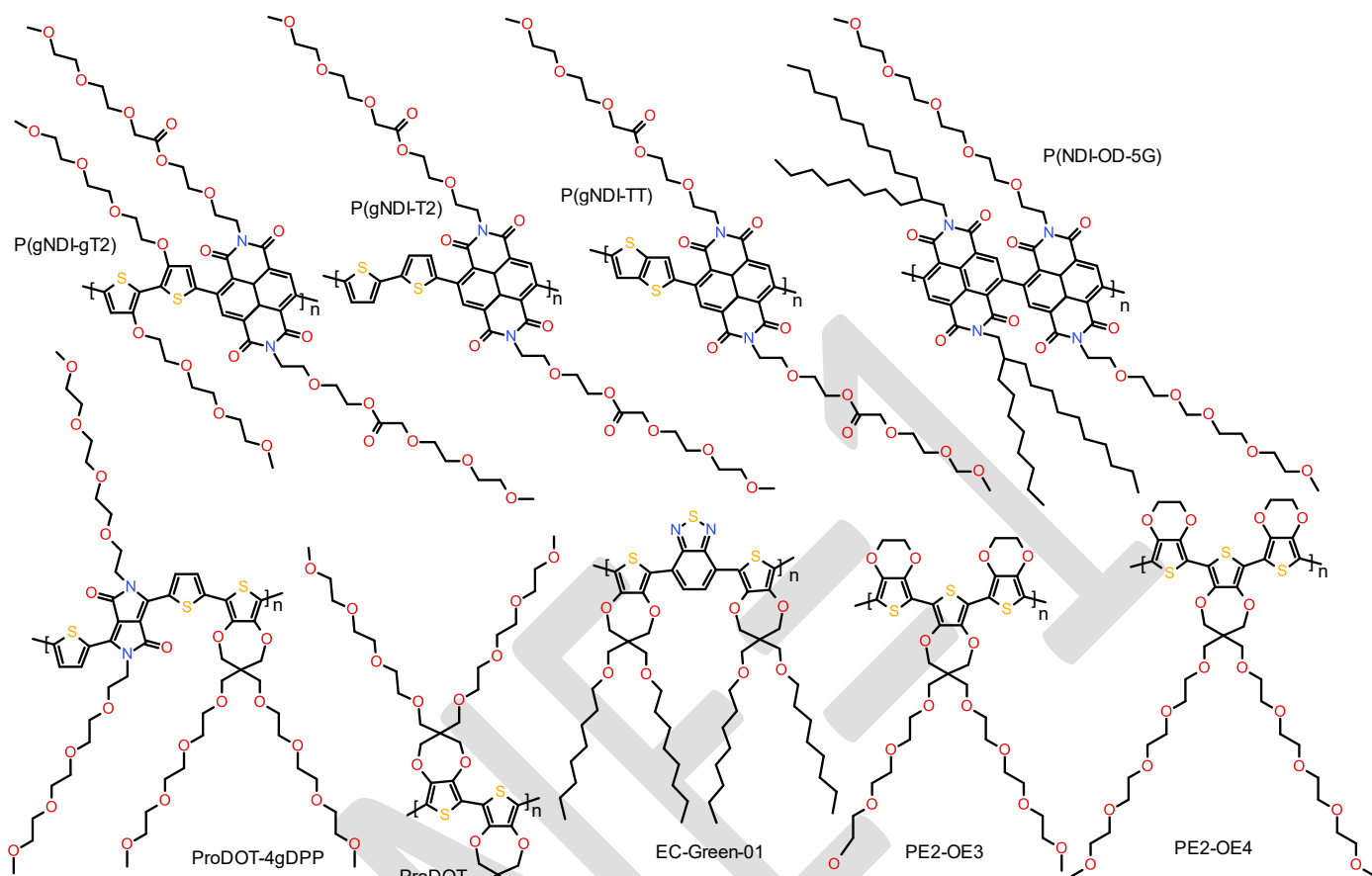
Remarks from the symposium: Modern electronics and materials science are bringing revolutionary advances to biointerface design and are shattering the limits of what is possible in the areas of biomedical diagnostics and sensing, neuroscience, and prosthetics. This new field of bioelectronics seeks to explore the interfaces between electronics, materials science and other engineering disciplines with biochemistry, biophysics, and general biology. 1-Material is proud of supporting this symposium by providing reliable and reproducible organic electronic materials for your research.



<https://doi.org/10.1021/acs.chemmater.5c01779>

P90: The glycolated side chains of P90 enhance swelling in polar solvents and change charge distribution on polymer electrodes due to increased dielectric constant and decreased π - π stacking distance of the backbone compared to the alkylated analogue (N2200). The remaining 10% alkyl side chains are necessary to enable higher transconductance in P90-based optoelectronics than polymers with 100% glycolated side chains.

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Solution processible n-Type super conducting polymer, n-PBFD0 (n-PBDF)

Poly(benzodifurandione)

Typical data:

Conductivity(S/cm): ≥ 1500

Transmittance: $\sim 90\%$ at $\sim 25\text{nm}$

Appearance: Black/Brown liquid

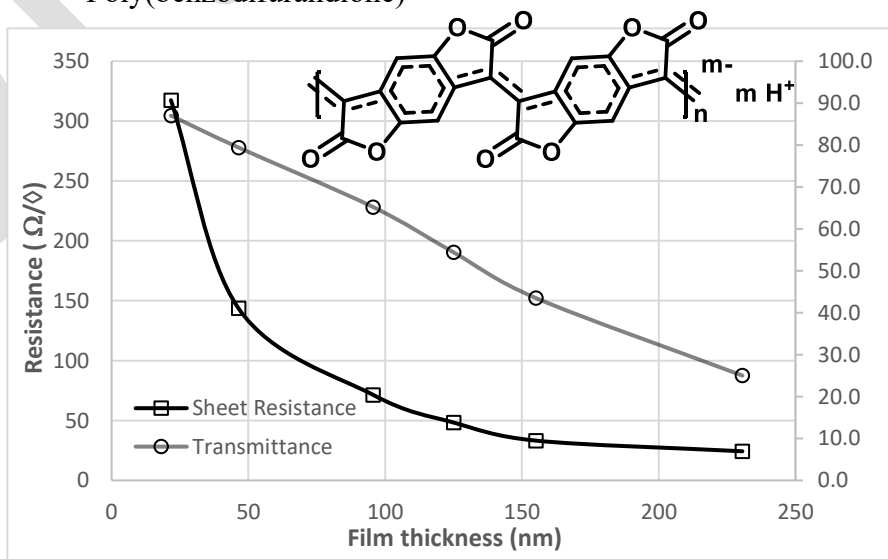
Viscosity(mPa.s@25°C): 200~800

Solid content(mg/ml): 10 ± 2

Solvent: DMAc or ethanol

Applications: flexible electrodes, capacitors, electrochromic, batteries, energy storage, bioelectronics,

OECT, OPV, OPD, EMS, thermoelectric devices and more.



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