



## Ion-Electron conducting polymers

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Organic Nano Electronic(ONE=1)materials for these who understand quality

Conjugated polymers that allow simultaneous transport of ionic and electronic charge carriers have been demanded for a wide range of applications, including energy storage, electrochromic devices, neuromorphic computing and organic bioelectronics. Flanking conjugated backbones with long glycol side chains may enhance their interaction with hydrated ions and water and therefore facilitate electrochemical switching in aqueous solutions.

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IM Material	Common Name CAS No.	Structure	Specifications
OS0400-g	P(gNDI-gT2) 2186673-54-9		Deep green to black solid Mw ~30K / PDI~2.5 Soluble in CHCl <sub>3</sub> , and other selected solvents
OS0786	3EO-TFB TFB-TEG		Shine greenish yellow solid Mw ~35K / PDI~2.5 Soluble in CHCl <sub>3</sub> , THF, and other selected solvents
OS1009	3EO-PFB PFB-TEG		Shine greenish yellow solid Mw ~35K / PDI~2.5 Soluble in CHCl <sub>3</sub> , THF, and other selected solvents
OS0036	PF-TEG		Beige to light yellow solid Mw ~80K / PDI~3.0 Soluble in water, alcohol and selected solvents

Other glycol flanked conjugated polymers can be custom made on demand, please contact [info@1-material.com](mailto:info@1-material.com)

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