### N-Type Polymers

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Structure</th>
<th>Remark</th>
</tr>
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</table>
| **N2200**     | ![Structure](image1) | **Classic & Standardized**  
(1) Both regio-regular(OS0400) and regio-irregular(RI-OS0400) are available.  
(2) Molecular weight can be tuned to your specifications;  
Mn ~10K to 100K at your choice. |
| PNDI-2T       |           |                                                                        |
| P(NDI2OD-T2)  |           |                                                                        |
| CAS#1100243-40-0 |         |                                                                        |
| **OS0400**    | ![Structure](image2) |                                                                        |
| **IR-OS0400** | ![Structure](image3) |                                                                        |
| **N2300**     | ![Structure](image4) |                                                                        |
| P(NDI2HD-T2)  |           |                                                                        |
| CAS#145168-70-7 |         |                                                                        |
| **1M_OS0707** | ![Structure](image5) |                                                                        |
| **1M_F-N2200**| ![Structure](image6) |                                                                        |
| PNDI-2FT      |           |                                                                        |
| P(NDI-2OD-T2F2) |         |                                                                        |
| OS0400-F      | ![Structure](image7) |                                                                        |
| Also available:  
F-N2300  
Cl-N2200; Cl-N2300 | |                                                                        |
| **P(gNDI-T2)**| ![Structure](image8) |                                                                        |
| OS0400-G      | ![Structure](image9) |                                                                        |
| Also available:  
p(gNDI-gT2)  
OS0400-g | |                                                                        |

N-type organic electrochemical transistors with stability in water: [DOI:1038/ncomms130066](https://doi.org/1038/ncomms130066)
(N-Type Polymers)

<table>
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<tr>
<th>Polymer</th>
<th>CAS#</th>
<th>OS</th>
<th>J. Mater. Chem. C.</th>
<th>2018, 6, 1349</th>
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</table>

Please contact info@1-material.com for more N-Type Semiconducting polymers, and we can also collaboratively develop OTFT and OTE materials to meet your specific needs.