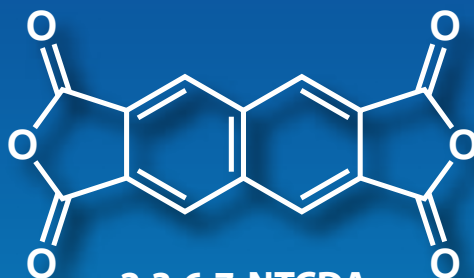


Polyimide Raw Material 2,3,6,7-NTCDA



2,3,6,7-NTCDA

1g / 5g

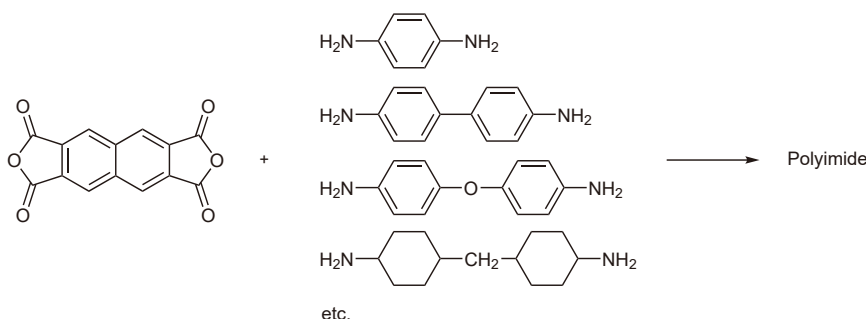
[N1128]

Advantages

- Reacts with various diamines to form polyimides.
- Highly reactive with amines, higher degree of polymerization compared to naphthalene-1,4,5,8-tetracarboxylic dianhydride (= 1,4,5,8-NTCDA).
- Electron acceptor molecule¹⁾ which may form interesting derivatives for electronic materials after reaction with monoamines.

Application

Examples of polyimide synthesis



The polyimide films synthesized from 2,3,6,7-NTCDA show glass transition temperatures over 400°C and low coefficients of thermal expansion, due to their rigid structures.

- References**
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 - 2) M. Hasegawa, S. Horii, *Polymer J.* **2007**, 39, 610. <https://doi.org/10.1295/polymj.PJ2006234>
 - 3) M. Hasegawa, Y. Hoshino, N. Katsura, J. Ishii, *Polymer* **2017**, 111, 91. <https://doi.org/10.1016/j.polymer.2017.01.028>
 - 4) H. Mori, H. Nakano, *JFE Gihō* **2005**, 8, 49. <https://www.jfe-steel.co.jp/research/giho/008/pdf/008-12.pdf>

Related Products

Naphthalene-1,4,5,8-tetracarboxylic Dianhydride

25g / 250g [N0369]

Naphthalene-1,4,5,8-tetracarboxylic Dianhydride (purified by sublimation)

1g / 5g [N0755]

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