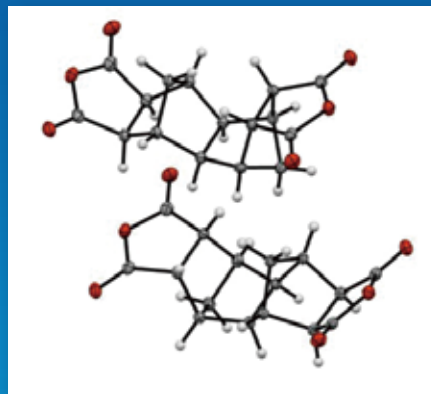
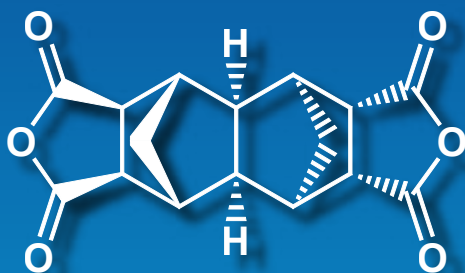


New

MATERIALS



# Alicyclic Raw Material for Polyimides DNDA



Decahydro-1,4:5,8-dimethanonaphthalene-  
2,3,6,7-tetracarboxylic Dianhydride  
(= DNDA)

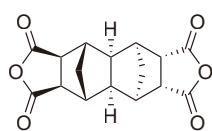
1g  
[D5970]

Single crystallographic structure of DNDA

## Advantages

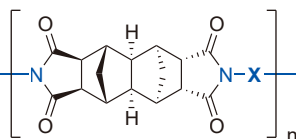
- Single isomer of alicyclic tetracarboxylic dianhydride monomer for polyimide synthesis.
- Reacts with various diamines to form polyimides.
- Applicable to the synthesis of polyimides with high thermal stability and transmittance.

## Application

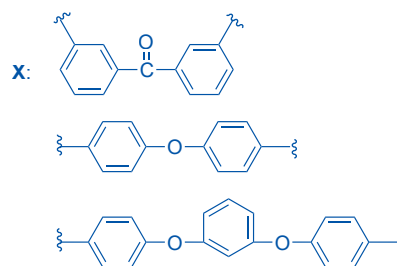


[D5970]  
+  
H<sub>2</sub>N-X-NH<sub>2</sub>  
Diamine

heat



Polyimide



etc.

- References
- 1) M. Kusama, T. Matsumoto, T. Kurosaki, *Macromolecules* **1994**, 27, 1117. <https://doi.org/10.1021/ma00083a008>
  - 2) D. E. James, J. K. Stille, *J. Am. Chem. Soc.* **1976**, 98, 1810. <https://doi.org/10.1021/ja00423a028>
  - 3) R. Kimura, T. Matsumoto, *Kobunshi Ronbunshu* **2011**, 68, 127. <https://doi.org/10.1295/koron.68.127>

## Related Products

TCI also offers many other diamines, carboxylic anhydrides and diisocyanates for polyimide synthesis. For further information please refer to our website at [www.TCIchemicals.com](http://www.TCIchemicals.com).

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