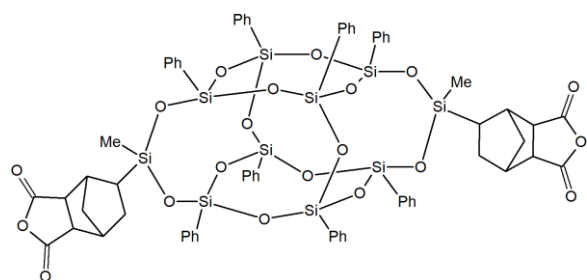


Double Decker Silsesquioxane, DDSQ

- ◆ DDSQ is a Double-decker-type silsesquioxane modified with an alicyclic dianhydride structure.
- ◆ The polymer derived from DDSQ is offering low dielectric constant and high flexibility.
- ◆ It is suitable for use as a raw material for polyimides and as a curing agent for epoxy resins.

General Information



Chemical Name	Double Decker Silsesquioxane-Norbornane-2,3-dicarboxylic Anhydride substituted
CAS	948849-07-8
Molecular Weight	1482.1
Melting Point	277 ~ 355 °C
Decomposition temp.	430 °C
Physical Form	White Powder
Purity(HPLC)	> 95.0 %
Degree of Functionalization	> 99.0 %
Anhydride Equivalent Weight	778 g/eq (Calc.)
Bulk Density	0.22 g/ml

Polymer Properties

Dielectric Constant	T _d 5%	T _g
2.4 ~ 2.8	500 °C	250 ~ 270°C

Contact information

S. Wu, T. Hayakawa, R. Kikuchi, S. J. Grunzinger, M. Kamimoto, H. Oikawa, *Macromolecules*, **40**, 5698(2007)