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MS0860

MS0860 is a hybrid molecule with an inorganic silsequioxane at the core and anionic oxygen and a tetramethyl ammonium ion at the corners of the cage. MS0860 can be used as a glassification aid. It has also been used to improve the luminescence of quantum dots, and as a dispersion agent for nanocarbon and metal oxides.



Key Properties

Appearance: white powder

Solvent Solubility: water

Thermal Stability (5% wt loss): 67°C

Resin Solubility: water soluble resins

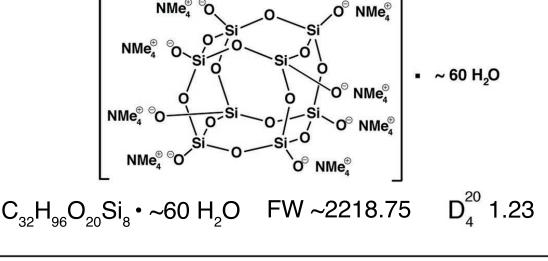
Solvent Insolubility: THF, chloroform, hexane,

acetone

OctaTMA POSS®

- Fabrication of Lamellar Nanostructure J. of Composite Mat., 45(3) 2011, 307-319
- Covalent functionalization of metal oxide and carbon nanostructures Materials Research Bulletin 45(12) Dec. 2010,1894–1898
- Self-assembled quantum dots with enhanced photoluminescence Scripta Materialia 66 (2012) 646-649
- CAS MOLECULAR SII 20% MS0860 in polystyrene self-assembles into

HYBRID PLASTICS



CAS 69667-29-4 Authorizations: TSCA

\$125/100g \$350/kg

reinforcing fibrils