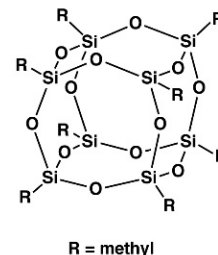




Octamethyl POSS[®] MS0830 Data Sheet

- √ Compoundable Additive
- √ Thermal and UV Improvement
- √ Flow Aid for Thermoplastics
- √ Dispersant for Specialty Colors and Reinforcements



Hybrid Plastics' sales and development teams work with each customer to ensure the best match of our proprietary Nanostructured[®] POSS[®] additives to meet application needs and budget. POSS[®] Molecular Silicas[®] such as MS0802, MS0805, MS0825, MS0830, MS0840 possess no reactive groups and are designed to be directly incorporated into thermoplastics or thermosets via high shear mixing or compounding. Typical use levels range from 0.1% to 3wt% relative to resin.

POSS[®] MS0830 STRUCTURE AND PROPERTIES

MS0830 is a hybrid molecule with an inorganic silsesquioxane core and organic methyl groups attached at the corners of the cage. The physical and chemical properties of Octamethyl POSS[®] (Cat. No. MS0830) are shown below.

Description	Value	Regulatory
Purity	>97%	CASRN: 17865-85-9
Appearance	White microcrystalline solid	US TSCA: Listed
Specific Gravity	1.2 g/ml	
Refractive Index	1.51	

Reagent	Resistance
Water	Excellent no effect
Ethanol	Excellent no effect
2-ethoxethanol	Excellent no effect
Methyl ethyl ketone	Excellent no effect
Carbon tetrachloride	Excellent no effect
Toluene	Excellent no effect
Hydrochloric acid (20%)	Excellent no effect
Acetic acid (20%)	Excellent no effect
Sulfuric acid (20%)	Excellent no effect

PACKAGING, SHELF LIFE

MS0830 is available in re-sealable containers in pails, drums, and other bulk containers. All products are shipped in a purified form. Shelf life is indefinite.

AVAILABILITY

Directly from Hybrid Plastics and its authorized distributors. Please contact us directly for further information or for a listing of our distributors, www.hybridplastics.com, info@hybridplastics.com, voice, 601-544-3466.