

# Tin Oxides from MEL

<b>Physical Properties (typical) :</b>			Typical properties are not Specifications			
Grades	Molecular Weight	Melting Point C	Specific Density g/cm <sup>3</sup>	Tap Density g/cm <sup>3</sup>	Surface Area m <sup>2</sup> /g	Average particle size in microns (Malvern Mastersizer)
<b>Superlite</b>	150.7	>1630	6.95	0.6	7-11	0.80*
<b>Superlite C</b>	150.7	>1630	6.95	0.6	7-11	0.80*
<b>Superlite A</b>	150.7	>1630	6.95	1.1	5-9	0.85
<b>SV5</b>	150.7	>1630	6.95	1.3	2-4	1.40
<b>CS1</b>	150.7	>1630	6.95	1.20	1-2	1.50
<b>CS3</b>	150.7	>1630	6.95	1.60	0.5-1	2.80
<b>CSF2/DW</b>	150.7	>1630	6.95	1.40	1-2	1.50
<b>CSC/DW</b>	150.7	>1630	6.95	1.80	0.5-1	2.80
<b>Vertex</b>	150.7	>1630	6.95	1.40	4-8	0.90
<b>Hydrate</b>	~168.7	>1630	5.0-5.4	2.30	~150-200	20 - 30**

\* Agglomerate size. Average primary particle size ~ 0.3microns \*\* Agglomerate size. Primary Particles are ~ 3 nanometers

<b>Chemical Properties (typical) Notes 1 &amp; 2</b>				Typical properties are not Specifications		
The manufacturer of tin oxides sold by MEL, Keeling & Walker Ltd., is registered under ISO 9001 & ISO14001	<b>SnO<sub>2</sub> Note 1</b>	99.85%	Metal basis maximum		%	Metal basis maximum
	<b>Pb Note 2</b>	<0.03	0.05	<b>Fe</b>	<0.03	0.05
	<b>Ag</b>	<0.001	0.01	<b>In</b>	<0.01	0.05
	<b>As</b>	<0.02	0.05	<b>Mg</b>	<0.02	0.01
	<b>Bi</b>	<0.02	0.05	<b>Mn</b>	<0.001	0.01
	<b>Cd</b>	<0.001	0.01	<b>Ni</b>	<0.001	0.05
	<b>Co</b>	<0.001	0.05	<b>Sb</b>	<0.03	0.05
	<b>Cu</b>	<0.02	0.05	<b>Zn</b>	<0.001	0.01
					Total Impurities:	0.15%

**Note 1:** SnO<sub>2</sub> % in Hydrates = 84-86 %

**Note 2:** Pb in Superlite C grade ~ 0.01% metal basis.

**Packing:**

Tin Oxides are available in 100 pound fiber drums. Some grades are available in other packing choices, such as 25 kilos bags. For availability please contact our Customer Services.

**Warehousing:**

MEL Inc maintains stocks in New Jersey

**Payment/Shipping Terms:**

Net 30 days, FOB MEL Inc warehouse, Bank's Transfer, or with Credit Card Net

## CONTACT INFORMATION



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