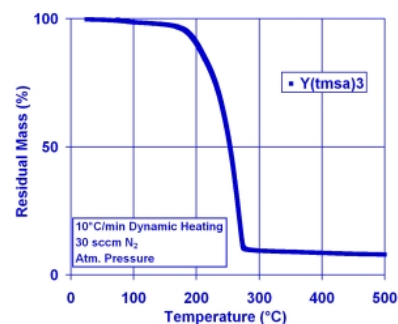
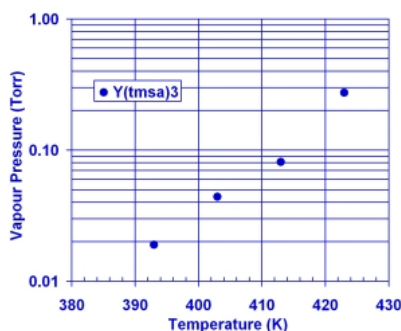




## Y(tmsa)<sub>3</sub>

- Left: VP of Y(tmsa)<sub>3</sub>
- Right: TGA data for Y(tmsa)<sub>3</sub>

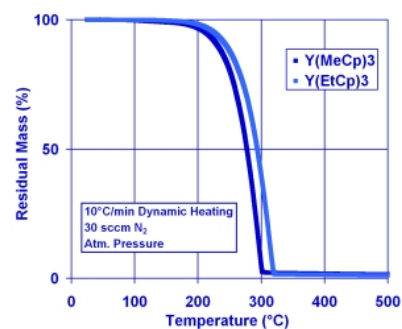
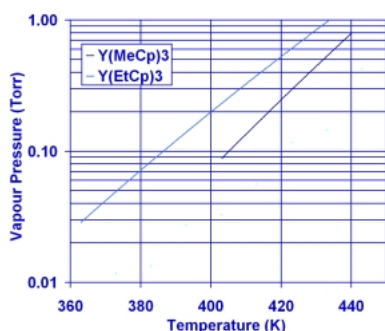
Y(tmsa)<sub>3</sub> is stabilized by the bulky ligand of trimethylsilylamine.



## Y(MeCp)<sub>3</sub> and Y(EtCp)<sub>3</sub>

- Left: VP comparison of Y(MeCp)<sub>3</sub> and Y(EtCp)<sub>3</sub> in the liquid state
- Right: TGA data for Y(MeCp)<sub>3</sub> and Y(EtCp)<sub>3</sub>

Y(MeCp)<sub>3</sub> and Y(EtCp)<sub>3</sub> are air and moisture sensitive yellow solids, having a high VP and lower residues from TGA.

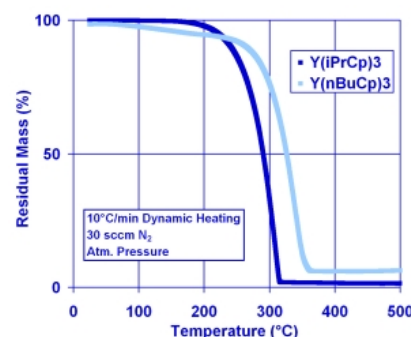
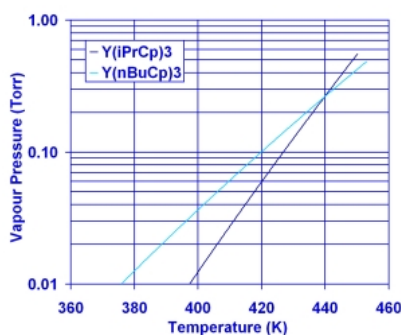


## Y(iPrCp)<sub>3</sub> and Y(nBuCp)<sub>3</sub>

- Left: VP of Y(iPrCp)<sub>3</sub> and Y(nBuCp)<sub>3</sub>
- Right: TGA data for Y(iPrCp)<sub>3</sub> and Y(nBuCp)<sub>3</sub>

Y(iPrCp)<sub>3</sub> shows very clean evaporation in its TGA.

Y(nBuCp)<sub>3</sub> is promising as a liquid precursor.



## Packaging and Dispensing System

- Y compounds can be packaged in a variety of canisters depending on your volume and tool/dispense system configuration. Please consult ALOHA™.
- It can be dispensed in bubblers, in sublimators, and blends in solvent (AL has selected appropriate solvent for each Yttrium precursor).
- Smaller R&D level packages are available as well for basic research needs.

