



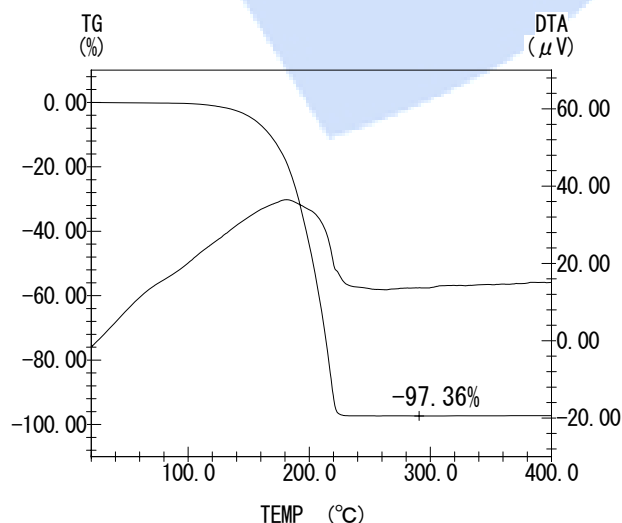
Hf(NEt₂)₄

Hafnium tetrakis(diethylamide)

Tetrakis(diethylamino)hafnium

| | | | |
|-----------------------------|--|----------------|---------|
| Chemical formula | Hf[N(C ₂ H ₅) ₂] ₄ | Formula weight | 467.01 |
| CAS No. | [19962-12-0] | Melting point | < -70°C |
| Physical form | pale-yellow liquid | | |
| Density | ca. 1.25 g/cm ³ | | |
| Viscosity(20°C) | 2~3cP (estimate from viewing) | | |
| Degree of association | 1 | | |
| Solubility | miscible with toluene , hexane and octane | | |
| | air and moisture sensitive | | |
| Typical impurities (ppm) | Na <1 K <1 Mg <1 Ca <1 Cr <1 Fe <1 Cu <1 Ni <1 Zr 1,000 | | |
| Vapor pressure (as monomer) | estimated from evaporation | | |

ca. 90°C/0.1Torr

Fig. TG-DTA of Hf(NEt₂)₄ (1atm , in Ar)