

■ Development Project of “New W Precursors” Ver.1

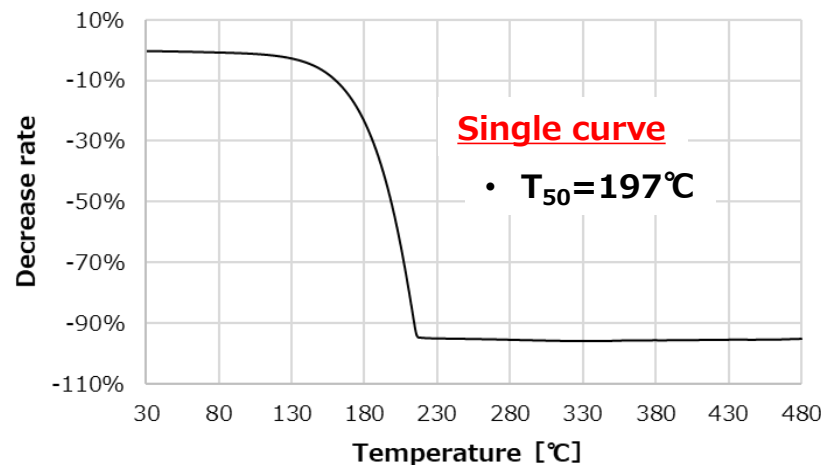
□ Target

■ WO_x

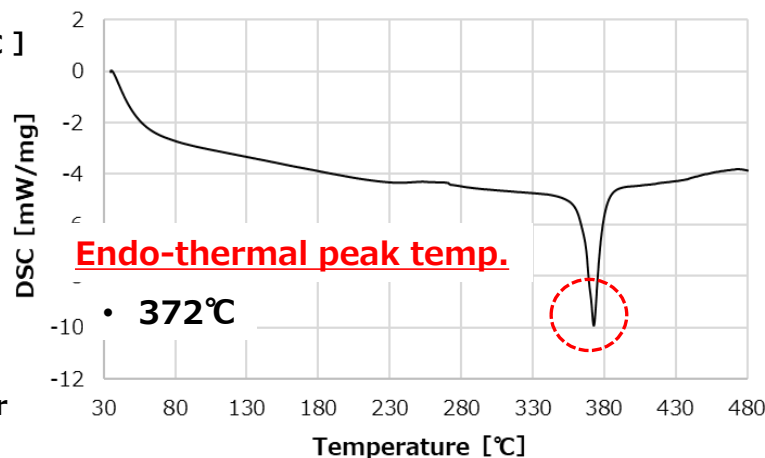
□ New Mo Precursor

- Code Name : TCW-1
- Physical State : Liquid
- Vapor Pressure : 1torr@92°C

[TGA]



[DSC]



1) TGA (Thermogravimetric Analysis) : Volatility property of precursor

- TGA_{1/2} (°C) : Temperature at 50% vaporization (low temperature → high volatility)
- Residual mass (%) : Residue mass after vaporization (low value → good thermal stability)

2) DSC (Differential Scanning Calorimetry) : Decomposition temperature of precursor