

ISO 19383:2026-06 (E)

Atomic layer deposition - Chemical characteristics and related process specifications of atomic layer deposition precursors

Contents	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Classification of ALD precursors	2
4.1 General	2
4.2 Common ALD precursors for metals	2
4.3 Common ALD precursors for non-metals	3
5 Purity tests	4
5.1 Assay test	4
5.1.1 General	4
5.1.2 Metal-organic precursors	4
5.1.3 Non-metal precursors	5
5.2 Metal purity (N values)	5
5.3 Anion content	6
Annex A (informative) Precursor purity vs. ALD growth rate	8
Annex B (informative) Precursor purity vs. ALD film uniformity	11