

DIN EN ISO/ASTM 52929:2026-04 (E)

Additive manufacturing of metals - Powder bed fusion - Presentation of material properties in material data sheets (ISO/ASTM 52929:2025)

Contents		Page
Foreword		iv
Introduction		v
1 Scope		1
2 Normative references		1
3 Terms and definitions		1
4 Abbreviations		1
5 Material properties to be displayed		2
6 Optional material properties to be displayed		2
7 Boundary conditions for the determination of material properties		3
7.1 General.....		3
7.2 Applied PBF machine(s).....		3
7.3 Applied feedstock.....		3
7.4 Applied process parameters.....		4
7.5 Applied shielding gas.....		4
7.6 Applied powder spreading device.....		4
7.7 Post-processing applied.....		4
8 Material property testing		5
8.1 General.....		5
8.2 Tensile testing.....		5
8.3 Hardness testing.....		6
8.4 Density testing.....		6
9 Generating and handling test data		6
9.1 Number of specimens and build jobs.....		6
9.2 Combination of data.....		7
10 Reporting of characteristic values		8
Annex A (informative) Example of a material data sheet		10
Bibliography		14