

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