

# DIN EN ISO/ASTM 52910:2020-02 (E)

## Additive manufacturing - Design - Requirements, guidelines and recommendations (ISO/ASTM 52910:2018)

---

Contents	Page
<b>European foreword</b>	3
<b>Foreword</b>	4
<b>1 Scope</b>	5
<b>2 Normative references</b>	5
<b>3 Terms and definitions</b>	5
<b>4 Purpose</b>	7
<b>5 Design opportunities and limitations</b>	10
5.1 General	10
5.2 Design opportunities	11
5.3 Design limitations	12
<b>6 Design considerations</b>	13
6.1 General	13
6.2 Product considerations	13
6.3 Product usage considerations	14
6.3.1 General	14
6.3.2 Thermal environment	14
6.3.3 Chemical exposure	14
6.3.4 Radiation exposure	14
6.3.5 Other exposure	15
6.4 Sustainability considerations	15
6.5 Business considerations	16
6.6 Geometry considerations	18
6.7 Material property considerations	20
6.7.1 General	20
6.7.2 Mechanical properties	20
6.7.3 Thermal properties	21
6.7.4 Electrical properties	21
6.7.5 Other	21
6.8 Considerations related to different process categories	22
6.8.1 General	22
6.8.2 Specific considerations for different process categories	22
6.8.3 Other considerations	24
6.9 Communication considerations	24
<b>7 Warnings to designers</b>	25
<b>Bibliography</b>	27