

ISO/ASTM 52903-2:2020 (E)

Additive manufacturing — Material extrusion-based additive manufacturing of plastic materials — Part 2: Process equipment

Contents

	Foreword
	Introduction
1	Scope
2	Normative references
3	Terms and definitions
4	Process specification
4.1	General
4.2	Class I
4.3	Class II
4.4	Class III
5	Materials
6	Fabrication of test specimens
6.1	General
6.2	Direction-independent properties
6.3	Non-mechanical direction-dependent properties
6.4	Mechanical direction-dependent properties
6.4.1	All mechanical property testing except tension testing
6.4.2	Tension testing
7	Responsibility for quality assurance (inspection and test)
8	Tolerances and surface roughness
9	Material processing
9.1	Maintenance
9.2	Raw material
9.3	Process parameters
9.4	Production runs
9.5	Post processing
10	Qualification
10.1	Additive manufacturing equipment qualification
10.2	Build qualification
10.3	Additive manufacturing equipment requalification
11	Report

Page count: 6