

# ISO/ASTM TR 52952:2023-06 (E)

## Additive manufacturing of metals - Feedstock materials - Correlating of rotating drum measurement with powder spreadability in PBF-LB machines

---

<b>Contents</b>		<b>Page</b>
<b>Foreword</b>	.....	<b>iv</b>
<b>Introduction</b>	.....	<b>v</b>
<b>1 Scope</b>	.....	<b>1</b>
<b>2 Normative references</b>	.....	<b>1</b>
<b>3 Terms and definitions</b>	.....	<b>1</b>
<b>4 Designation</b>	.....	<b>2</b>
<b>5 Methodology</b>	.....	<b>2</b>
5.1 General principle	.....	2
5.2 Powder selection	.....	3
5.3 Layer homogeneity evaluation	.....	3
5.4 Rotating drum	.....	4
<b>6 Results and discussion</b>	.....	<b>5</b>
6.1 Spreadability	.....	5
6.2 Rotating drum analysis	.....	7
6.2.1 Experimental protocol	.....	7
6.2.2 Experimental results	.....	7
6.3 Discussion	.....	9
<b>7 Conclusions</b>	.....	<b>10</b>
<b>8 Additional data</b>	.....	<b>11</b>
<b>9 Perspectives</b>	.....	<b>12</b>
<b>Bibliography</b>	.....	<b>13</b>