

ISO 3995:2023-06 (E)

Metallic powders - Determination of green strength by transverse rupture of rectangular compacts

Contents		Page
Foreword	.....	iv
1 Scope	.....	1
2 Normative references	.....	1
3 Terms and definitions	.....	1
4 Principle	.....	1
5 Apparatus	.....	1
6 Sampling	.....	4
7 Procedure	.....	4
7.1 Cleaning of the die and punches	.....	4
7.2 Powder testing conditions	.....	4
7.3 Lubrication	.....	5
7.3.1 General	.....	5
7.3.2 Die wall lubrication	.....	5
7.3.3 Lubrication of powder	.....	5
7.4 Compacting and ejection	.....	5
7.5 Compacting pressure	.....	6
7.6 Determination of density	.....	7
7.7 Determination of breaking force	.....	7
7.7.1 General	.....	7
7.7.2 Method 1 — Using a compression testing machine	.....	7
7.7.3 Method 2 — Using a loading beam device (see Figure 3)	.....	7
8 Expression of results	.....	7
9 Test report	.....	8