

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