

ISO 14232-1:2017-03 (E)

Thermal spraying - Powders - Part 1: Characterization and technical supply conditions

| Contents | | Page |
|--|--|-------------|
| Foreword | | iv |
| Introduction | | v |
| 1 | Scope | 1 |
| 2 | Normative references | 1 |
| 3 | Terms and definitions | 1 |
| 4 | Properties and property determination of powders for thermal spraying | 1 |
| 4.1 | Sampling and sample splitting | 1 |
| 4.2 | Chemical composition | 2 |
| 4.3 | Particle size range -- Particle size distribution | 2 |
| 4.4 | Manufacturing process -- Particle shape | 3 |
| 4.5 | Apparent density | 3 |
| 4.6 | Flowability | 3 |
| 4.7 | Microstructure | 4 |
| 4.8 | Determination and composition of phases | 4 |
| 4.9 | Summary | 4 |
| 5 | Classification of powders | 4 |
| 6 | Powder identification and designation | 4 |
| 7 | Conditions of supply | 4 |
| 8 | Certificate | 5 |
| Annex A (informative) Powder shape and morphologies | | 6 |
| Bibliography | | 9 |