

ISO 9185:2025-09 (E)

Protective clothing - Assessment of resistance of materials to molten metal splash

| Contents | | Page |
|--|--|-------------|
| Foreword | | iv |
| Introduction | | v |
| 1 | Scope | 1 |
| 2 | Normative references | 1 |
| 3 | Terms and definitions | 1 |
| 4 | Principle | 1 |
| 5 | Apparatus and materials | 2 |
| 6 | Conditioning | 6 |
| 7 | Preparation of test specimens | 6 |
| 8 | Operator safety | 7 |
| 9 | Procedure | 7 |
| 9.1 | Setting up the apparatus | 7 |
| 9.2 | Preparation of molten metal or cryolite | 7 |
| 9.3 | Attachment of test material to specimen holder | 7 |
| 9.4 | Pouring | 7 |
| 9.4.1 | Pouring of molten metal | 7 |
| 9.4.2 | Pouring of molten cryolite | 7 |
| 9.4.3 | Additional procedures | 8 |
| 9.5 | Examination | 8 |
| 9.6 | Determination of mass of metal poured | 8 |
| 10 | Testing procedures | 8 |
| 10.1 | Iterative testing procedure | 8 |
| 10.2 | Performance level-based testing procedure | 8 |
| 11 | Void tests | 9 |
| 12 | Test report | 9 |
| Annex A (normative) Test conditions for certain metals and for cryolite | | 10 |
| Annex B (normative) Method of test for assessment of thermal characteristics of PVC sensor film .. | | 11 |
| Annex C (informative) Assessment of damage to the PVC sensor film | | 12 |
| Bibliography | | 15 |