

ISO 19721:2022-11 (E)

Plastics - Abrasion test method for artificial turfs using combined UV exposure and mechanical wear

| Contents | | Page |
|--|--|-------------|
| Foreword | | iv |
| Introduction | | v |
| 1 | Scope | 1 |
| 2 | Normative references | 1 |
| 3 | Terms and definitions | 1 |
| 4 | Principle | 2 |
| 5 | Apparatus | 2 |
| 6 | Test specimens | 2 |
| 7 | Test conditions | 3 |
| 7.1 | Radiation | 3 |
| 7.2 | Relative humidity | 3 |
| 7.3 | Spray cycle | 3 |
| 7.4 | Exposure conditions | 3 |
| 8 | Procedure | 4 |
| 8.1 | Conditioning | 4 |
| 8.2 | Mounting and handling of the test specimen | 4 |
| 8.3 | Combined exposure | 5 |
| 8.3.1 | General | 5 |
| 8.3.2 | Simultaneous exposure | 5 |
| 8.3.3 | Sequential exposure | 5 |
| 8.4 | Radiant exposure measurement | 5 |
| 9 | Determination of the changes | 5 |
| 9.1 | Change of appearance | 5 |
| 9.2 | Test of sports functional characteristics | 6 |
| 10 | Test report | 6 |
| Annex A (informative) Artificial turf | | 7 |
| Annex B (informative) Examples of test results | | 9 |
| Annex C (informative) Typical test apparatus | | 14 |
| Bibliography | | 16 |