|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Ball Type** | **Maximum bounce on Floor type 1 (m)** | | | **Avg bounce height (m)** | **Maximum bounce on floor type 2 (m)**  **Energy Interconversions Results Table** | | | **Avg bounce height (m)** | **Maximum bounce on Floor type 3 (m)** | | | **Avg bounce height (m)** | **Maximum bounce on Floor type 4 (m)** | | | **Avg bounce height (m)** |
| Rubber | 0.34 | 0.42 | 0.37 |  | 0.43 | 0.45 | 0.45 |  | 0.30 | 0.32 | 0.35 |  | 0.51 | 0.53 | 0.50 |  |
| Golf | 0.48 | 0.53 | 0.50 |  | 0.58 | 0.62 | 0.62 |  | 0.47 | 0.49 | 0.50 |  | 0.63 | 0.67 | 0.64 |  |
| Squash | 0.23 | 0.28 | 0.20 |  | 0.28 | 0.22 | 0.23 |  | 0.21 | 0.22 | 0.21 |  | 0.26 | 0.27 | 0.28 |  |

**GPE = mgh**

**Energy Efficiency = Useful Output/Total Input X100**

**Floor type 1**

|  |  |  |  |
| --- | --- | --- | --- |
| **Ball Type** | **GPE at Start (J)** | **GPE at End (J)** | **Energy Efficiency (%)** |
| Rubber |  |  |  |
| Golf |  |  |  |
| Squash |  |  |  |

**Floor type 2**

|  |  |  |  |
| --- | --- | --- | --- |
| **Ball Type** | **GPE at Start (J)** | **GPE at End (J)** | **Energy Efficiency (%)** |
| Rubber |  |  |  |
| Golf |  |  |  |
| Squash |  |  |  |

**Floor type 3**

|  |  |  |  |
| --- | --- | --- | --- |
| **Ball Type** | **GPE at Start (J)** | **GPE at End (J)** | **Energy Efficiency (%)** |
| Rubber |  |  |  |
| Golf |  |  |  |
| Squash |  |  |  |

**Floor type 4**

|  |  |  |  |
| --- | --- | --- | --- |
| **Ball Type** | **GPE at Start (J)** | **GPE at End (J)** | **Energy Efficiency (%)** |
| Rubber |  |  |  |
| Golf |  |  |  |
| Squash |  |  |  |