**Materials Testing Grid**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Material Type** | **Impact Test** | **Compression Test** | **Sheer Test** | **Tensile Test** |
|  |  |  |  |  |
| **Mild Steel** | Low 1 2 3 4 5 High | Low 1 2 3 4 5 High | Low 1 2 3 4 5 High | Low 1 2 3 4 5 High |
| **HSS/Tool Steel** | Low 1 2 3 4 5 High | Low 1 2 3 4 5 High | Low 1 2 3 4 5 High | Low 1 2 3 4 5 High |
| **Brass** | Low 1 2 3 4 5 High | Low 1 2 3 4 5 High | Low 1 2 3 4 5 High | Low 1 2 3 4 5 High |
| **Copper** | Low 1 2 3 4 5 High | Low 1 2 3 4 5 High | Low 1 2 3 4 5 High | Low 1 2 3 4 5 High |
| **Pewter** | Low 1 2 3 4 5 High | Low 1 2 3 4 5 High | Low 1 2 3 4 5 High | Low 1 2 3 4 5 High |
| **Aluminium** | Low 1 2 3 4 5 High | Low 1 2 3 4 5 High | Low 1 2 3 4 5 High | Low 1 2 3 4 5 High |

|  |  |  |
| --- | --- | --- |
| **Material Type** | **Scratch Test** | **Heat Test** |
|  |  |  |
| **Mild Steel** | Low 1 2 3 4 5 High | Low 1 2 3 4 5 High |
| **HSS/Tool Steel** | Low 1 2 3 4 5 High | Low 1 2 3 4 5 High |
| **Brass** | Low 1 2 3 4 5 High | Low 1 2 3 4 5 High |
| **Copper** | Low 1 2 3 4 5 High | Low 1 2 3 4 5 High |
| **Pewter** | Low 1 2 3 4 5 High | Low 1 2 3 4 5 High |
| **Aluminium** | Low 1 2 3 4 5 High | Low 1 2 3 4 5 High |