**MT1 Sealing sheet**

**MT1 Sealing sheet is composed of asbestos fiber with nitrle butadiene rubber binder(NBR) .It exhibits excellent crush resistance at high-flange pressures.Recommended for sealing oil,fuels and water in applications with intermittent operating temperatures up to 250℃.Applications include general automotive,motorcycle,small engine and Motor sealing .**

**Properties**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NO.** | **item** | | **unit** | **standard values** |
| **1** | **Transverse tensile strength** | | **MPa** | **≥20** |
| **2** | **Compressibility** | | **%** | **10-20** |
| **3** | **Recovery** | | **%** | **≥55** |
| **4** | **Density** | | **g/cm3** | **1.75~1.95** |
| **5** | **Flexiblity （Bend 180° on the bar with diameter which is 12 times than the sample thickness ）** | | | **No crack** |
| **6** | **Creep Relaxation** | | **%** | **≤25** |
| **7** | **Corrosion** | | | **No corrosion** |
| **8** | **Immersed into IRM903 oil for 5h at 150℃±2℃，then pick up and keep it for 30min at 15℃-30℃** | **Transverse tensile strength** | **MPa** | **≥14** |
| **9** | **Thickness increase** | **%** | **≤10** |
| **10** | **Weight increase** | **%** | **≤15** |
| **11** | **Appearance change** |  | **No bubble** |
| **12** | **Immersed into ASTM B for 5h at 21℃~30℃** | **Thickness increase** | **%** | **≤15** |
| **13** | **Flexiblity** |  | **No crack** |
| **17** | **Nitrogen Sealing ［ml/（h·mm）］** | | | **≤30** |
| **18** | **Sealability for oil at room Temperature （Medium pressur 8mpa,30min）** | | | **No leakage within 30 minutes** |

**MT1号密封衬垫版**

**MT1号密封衬垫板是以温石棉、合成橡胶、耐高温填料和化工助剂为主要材料经压缩成张法制成的，具有抗高压性，对滑油、水、燃气抗耐性优良。适用于摩托车发动机、小型汽油机等温度不高于250℃静密封部位。**

|  |  |  |
| --- | --- | --- |
| **项 目** | | **指 标** |
| **横向拉伸强度 MPa** | | **≥20** |
| **密度 g/cm3** | | **1.75~1.95** |
| **压缩率 %** | | **15±5** |
| **回弹率 %** | | **≥55** |
| **柔软性** | | **无裂纹** |
| **应力松弛率 %** | | **≤25** |
| **腐蚀性（常温，在蒸馏水中浸泡5h后密封放置120h，对LD2硬铝板）** | | **无腐蚀** |
| **气密性 （氮气）ml/（h·mm）** | | **≤30** |
| **耐**  **油**  **性** | **浸油拉伸强度减少率（温度150℃±2℃，IRM903或 20号航空润滑油，5h） %** | **≤30** |
| **吸油率（温度150℃±2℃，IRM903或**  **20号航空润滑油，5h）%** | **≤15** |
| **浸油增厚率（温度150℃±2℃， IRM903或20号航空润滑油，5h）%** | **≤10** |
| **浸油外观变化（温度150℃±2℃，IRM903或20号航空润滑油，5h）** | **不起泡** |
| **浸油增厚率（温度15℃~30℃， ASTM B或**  **3号喷气燃料，5h ）%** | **≤ 15** |
| **浸油后柔软性（温度15℃~30℃，ASTM B或**  **3号喷气燃料，5h ）** | **无裂纹** |
| **油密封性（温度15℃~30℃，压力为15MPa，介质为3号喷气燃料，时间为30min）** | | **完全密封** |

**理化性能表**