

Product Specification Sheet

JM-S03

JM-S03 is a high-grade asbestos-free sealing material with controlled-swell characteristics. It has excellent compressibility and recovery and can seal parts with low flange pressure and nonuniform flange surfaces. The material is designed to provide sealability for oil, fuel, and antifreeze fluids. Recommended applications include automobiles, motorcycles, small engines, refrigeration compressors, construction machinery, diesel engines and auto transmissions. The maximum operation temperature for short duration for this product is 350°C.

Specification Properties

| Property | Unit | Value | Test Method |
|---|-------------------|---------|-------------|
| Density | g/cm ³ | ≥ 1.35 | ASTM F1315 |
| Tensile Strength, AMD | MPa | ≥ 10.0 | ASTM F152 |
| Compressibility (34.5 MPa) | % | ≥ 9 -18 | ASTM F36 |
| Recovery | % | ≥ 45 | ASTM F36 |
| Fluid Immersion, #903 Oil (150°C×5h) | | | ASTM F146 |
| Tensile after Immersion | MPa | ≥ 6.0 | |
| Weight Change | % | ≤ 35 | |
| Thickness Change | % | ≤ 30 | |
| Fluid Immersion, Fuel B (21-30 °C, x5h) | | | ASTM F146 |
| Weight Change | % | ≤ 30 | |
| Thickness Change | % | ≤ 30 | |

Remark: The description and performance data provided herein constitutes material specifications for quality control purposes, but do not imply suitability for use in a specific application. Your specific application should not be undertaken without independent study and evaluation for suitability. Failure to select a proper sealing product may result in either property damage or personal injury. For questions regarding specific applications, contact Junma Sealing Technology, Inc. for assistance.