



WLT006 Flexible Graphite Sheet & Rolls

Introduction

Flexible graphite rolls (sheet) is made from flake graphite with high carbon content which is gone through chemical treatment, expanding under high temperature and then rolling. Weillite flexible graphite roll (sheet) has the characteristics of high temperature resistance, corrosion resistance and good elasticity, and is the basic material for making all kinds of reinforced graphite sheets, graphite tapes, packing and sealing gaskets.

All of Weillite's expanded flexible graphite has excellent performances, 98% graphite minimum purity, 50 maximum PPM Chloride content, 1500 maximum PPM Sulphur content. Working temperature:-200 to +650°C (in air), -200 to +3000°C (in non-oxidizing media).

Applications

The expanded flexible graphite is being used for a wide area of applications in modern sealing technology. The expanded flexible graphite foil is used as filler in spiral wound gaskets or as layer material for cam profile gaskets or super seals. The expanded flexible graphite sheets may be reinforced with an insert smooth or tanged stainless steel etc.

Technical data

| Item | WLT-006A | WLT-006B | WLT-006C | WLT-006D |
|--|--|----------|----------|----------|
| Carbon content % | 99 | 99 | 99 | 98 |
| Sulphur content PPM | ≤500 | ≤1000 | ≤1300 | ≤1500 |
| Chloride content PPM | ≤35 | ≤40 | ≤45 | ≤50 |
| Tolerance of density g/cm ³ | ±0.05 | ±0.05 | ±0.06 | ±0.07 |
| Tolerance of thickness mm | <1.6±0.03; 1.6-3.0±0.05 | | | |
| Compressibility % | ≥40(when density is 1.0g/cm ³) | | | |
| Recovery % | ≥10(when density is 1.0g/cm ³) | | | |

Standard Size

| Thickness (mm) | | Width (mm) | Length(mm) | Density (g/cm ³) |
|----------------|---------|------------|------------------------|------------------------------|
| Roll | Sheet | ≤1500 | ≤1500(sheet) | 0.7-1.2 |
| 0.15-1.5 | 0.2-6.0 | | 30M,50M,70M,80M(Rolls) | |