

**TO WHOM SO EVER IT MAY CONCERN.**

**PROPERTIES OF STYLE - P84 P.T.F.E. GLAND PACKING**

- 1. Description : IMPREGNATED PTFE, PTFE GRAPJHITE & SPUN ARAMID COMBINATION
- 2. Construction : A high quality combination packing of PTFE GRAPHITE yarn  
With Spun Aramid corners.

**Properties of P.T.F.E. Fine Powder:**

| Properties                                 | Test Method | Unit      | Nominal Value |
|--|-------------|-----------|---------------|
| <b>Powder Properties</b>                   |             |           |               |
| Bulk Density                               | ASTM D 4895 | g/l       | 500           |
| Average particle size (d <sub>50</sub> )   | ASTM D 4895 | µm        | 525           |
| <b>Processing</b>                          |             |           |               |
| Extrusion pressure (Reduction ratio 400:1) | ASTM D 4895 | MPa (psi) | 35 (5076)     |
| <b>Mechanical Properties</b>               |             |           |               |
| Std. specific gravity (SSG)                | ASTM D 4895 | -         | 2.175         |
| Tensile Strength                           | ASTM D 4895 | Mpa (psi) | 33 (4786)     |
| Elongation                                 | ASTM D 4895 | %         | 330           |

**Properties of Spun Aramid Yarn**

- 1. Yarn Count NM : 7.85 NM
- 2. Single Yarn TPM : 340 TPM
- 3. Breaking Force (CN) : 3028 CN
- 4. Breaking Elongation (%) : 4.24 %

**Properties of Silicon Oil**

- 1. Silicon Content : 100%
- 2. Specific Gravity : 0.967 – 0.975
- 3. Viscosity @ 25 °C : 1000 +/- 50 CST
- 4. Appearance : Water White
- 5. Flash Point : 304 °C



**Service Parameters**

| Service Parameters : | Temp.        | pH    | Pressure           | Velocity |
|----------------------|--------------|-------|--------------------|----------|
|                      | °C           | Range | Kg/cm <sup>2</sup> | Mtrs/Sec |
|                      | -240 to +260 | 0-12  | 150                | 15       |

**Properties of Graphite:**

- 1. Degree of Purity : 99%