A. **Scope**: Fibreflex “Detroiter” is an excellent grade of vegetable fibre sheet packing, efficiently saturated with a glue-glycerine impregnant rendered insoluble by means of a tanning agent (formaldehyde) to give a strong, flexible, all-proof packing with properties retained during proper storage and in use.

B. **Certification**: Fibreflex “Detroiter” is certified to meet the below listed specifications.

- HH-P-96G, Type 1 only (Federal Specification)
- MIL-G-12803A Ident. No. P3313B
- ASTM D 1170 and SAE J90 Ident. No. P3313B
- ASTM F 104 and SAE J90 Ident. No. F326128-E21-M6
- Underwriters’ Laboratory Listing No. MH 4649 (763N)

C. **Physical Characteristics**:

- Fibre: 45% to 55%
- Moisture: 6% to 10%
- Chemical Solids: 35% to 45%

D. **Conditioning**: All samples conditioned prior to testing as specified by applicable application – usually 50% RH – 70 to 85°F for a period of 22 or 24 hours.

E. **Standards**: (Using American Society of Testing Materials Specification ASTM F 104 prepared jointly with the Society of Automotive Engineers and similar in requirements to MIL-G-12803C.

- **Original** Test Load: 1000 p.s.i.
- **Physical** Compressibility: 25% to 40%
- **Properties** Tensile Strength: 2000 p.s.i.

- **Physical** Fuel B – Thickness increase: 5% maximum (Not applicable to MIL-G-12803C)
- **Properties** #3 Oil – Thickness increase: 5% maximum
- **After** Fuel B – Weight increase: 15% maximum (Not applicable to MIL-G-12803C)
- **Impression** #3 Oil – Weight increase: 15% maximum
- **Water** – Weight increase: 100% maximum

F. **Thickness Tolerances**:

<table>
<thead>
<tr>
<th>Thickness</th>
<th>Plus or Minus</th>
</tr>
</thead>
<tbody>
<tr>
<td>.006”, .010” and .015”</td>
<td>.0035”</td>
</tr>
<tr>
<td>.021”, .031”, .046”, and .062”</td>
<td>.005”</td>
</tr>
<tr>
<td>.096” (3/32”)</td>
<td>.008”</td>
</tr>
<tr>
<td>.125” (1/8”) and up</td>
<td>.016”</td>
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</tbody>
</table>

G. **Flexibility**: Fibreflex “Detroiter” is capable of withstanding bending around a rod with a diameter of twice the thickness of the material under test, without cracking, breaking or excessive marring of the surfaces.

H. **Temperature Limit**: 250°F