HI-TECH BUSH
THE SIGN OF QUALITY

HI-TECH BUSH

6 MONTHS Warranty On HI-TECH BUSH Life Span
Terms & Conditions Apply
HI-TECH BUSH is specially formulated with Japanese Technology and knowhow. It is made of a combination of 3 fibres (Composite Fibres), which contribute to the Strength, Wear Resistance & Impact Cushion. High Quality grease ingredient is embedded to make our HI-TECH BUSH self lubricant. Its excellent wear resistance, stability and durability in water, steam and oily environment has made HI-TECH BUSH a very good material for application in various industries.

FEATURES

- Good Heat Resistance
- Good Wear Resistance
- Good Chemical Resistance
- Shock Load Absorption
- No Damage to Mating Part
- Cost Effective
- Self Lubricating
- Theft Resistance
- Weight Reduction
- Tolerant Of Misalignment

Warranty Period Given On HI-TECH BUSH Life Span
# PHYSICAL AND MECHANICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Units</th>
<th>Results</th>
<th>Test Method / Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Compressive Load</td>
<td>kgf</td>
<td>&gt; 9,500 *</td>
<td>Pressing by Shaft 45mm Dia x 100mm L</td>
</tr>
<tr>
<td>Compressive Modulus</td>
<td>kgf/cm²</td>
<td>35,800</td>
<td>ISO 604</td>
</tr>
<tr>
<td>Ultimate Tensile Strength</td>
<td>kgf/cm²</td>
<td>360</td>
<td>ISO 527-4</td>
</tr>
<tr>
<td>Tensile Modulus</td>
<td>kgf/cm²</td>
<td>105,300</td>
<td>ISO 527-4</td>
</tr>
<tr>
<td>Interlaminar Shear Strength</td>
<td>kgf/cm²</td>
<td>97.4</td>
<td>ASTM D 2344</td>
</tr>
<tr>
<td>Abrasion Resistance Weight Loss</td>
<td>mg</td>
<td>470</td>
<td>ASTM D 4060</td>
</tr>
<tr>
<td>Flexural Modulus</td>
<td>kgf/cm²</td>
<td>82,200</td>
<td>ISO 178</td>
</tr>
<tr>
<td>Izod Impact Strength (Notched)</td>
<td>KJ/m²</td>
<td>8</td>
<td>ASTM D 256</td>
</tr>
<tr>
<td>Rockwell Hardness</td>
<td>M Scale</td>
<td>100</td>
<td>ISO 2039-2</td>
</tr>
<tr>
<td>Coefficient of Linear Thermal Expansion</td>
<td>x 10⁻⁵/°C</td>
<td>1.8</td>
<td>ASTM D 696</td>
</tr>
<tr>
<td>Max Working Temperature</td>
<td>°C</td>
<td>180</td>
<td>ASTM D 696</td>
</tr>
</tbody>
</table>

* The maximum load cell available is 10,000 kgf

**HI - TECH BUSH** is complied with the requirements of Malaysian Food Act 1983 (Act 281) and Regulation Thirteenth Schedule (Regulation 28) all amendment up to 20th February 2008.
### TYPICAL APPLICATIONS

- Bogie Wheel Axial Block
- Hanger Bearing for CBC, Fruit, Fiber, Nut, Kernal & Shell Conveyor
- Square Front Block
- Digestor Bottom Guidance Bush
- Aerator Guidance Bush
- Screw Press Lengthening Shaft Bush

### STANDARD SIZE AVAILABLE

<table>
<thead>
<tr>
<th>Tube:</th>
<th>Min I/D</th>
<th>35mm</th>
<th>Max O/D</th>
<th>160mm</th>
<th>Max Length</th>
<th>250mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rod:</td>
<td>Min I/D</td>
<td>SOLID</td>
<td>Max O/D</td>
<td>90mm</td>
<td>Max Length</td>
<td>250mm</td>
</tr>
</tbody>
</table>

Custom made and non-standard sizes can also be supplied

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**LOCAL DISTRIBUTOR :-**

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**SOLE DISTRIBUTOR OF HI-TECH BUSH :-**

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