**Lubricant-free Bearing**
Winded base plate
Thin PILAFLON® film connected firmly to metal plate (316 or equivalent)

**Adhesive-free**
Excellent chemical-resisting performance
Excellent solvent-resisting performance

**Design a Compact unit becomes possible**
High-load resistance
Easy installation
Light weight

**Specifications**

<table>
<thead>
<tr>
<th>Temperature</th>
<th>Available Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>-200°C to +200°C</td>
<td>0.6mm, 0.9mm, 1.63mm</td>
</tr>
</tbody>
</table>

**Maximum Allowable Surface Pressure**
70 N/mm² (at room temperature)

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**Features**

- Since the curl bearing provides the low friction coefficient, it is free from any sticking or slippage (uneven shaft slippage).
- The curl bearing provides the extremely excellent chemical-resisting performance, solvent-resisting performance and weather-resisting performance.
- Since the curl bearing is applicable under thin-wall/high surface pressure condition, it can be designed for compact type.
- Since the curl bearing is so designed that its sliding surface provides the excellent slurry-resisting performance, the shaft will not be scarred.
- Since the curl bearing is little worn, it assures the long service life.
- The curl bearing is easy to handle, and can be attached easily to the housing.

**Requirement on the valves**

- Stem Finish: Ra0.4 - Ra0.8 (Ry1.6 - Ry3.2)
- Bore of valve body: Ra3.2 - Ra4.5 (Ry12.5 - Ry18)
Using the PLAFLON® (which is the lowest coefficient of sliding friction in the lubricant free type bearing) to the ID side, there can be less wear on the stem, maintenance free, and compact design.

The coefficient of sliding friction for this PILAFLON® LBP Curl (Radial) Bearing will be low in the High Temperature and High pressure conditions.

In addition, this coefficient will be change a bit depend on the materials of the valve body, or fluid velocity.