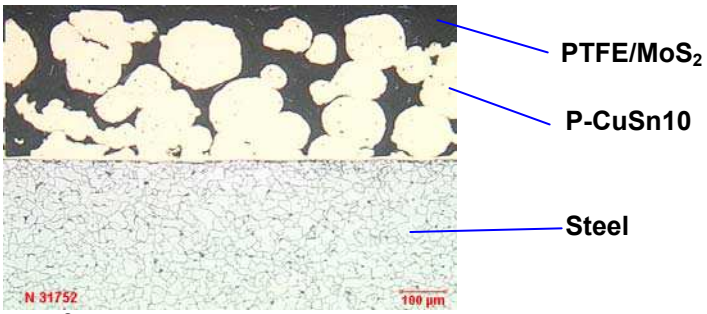
1. Application:

GLYCO® 92 is a sliding material suitable for **dry running** and (oil) **lubricated** applications. It is distinguished by good thermal endurance, a low coefficient of friction, a high load-carrying capacity and good wear resistance and is composed of constituents which pose no danger to health.

2. Structure:

GLYCO® 92 is a **three-layer composite material**. An open-pore **tin-bronze** sintered matrix, impregnated with a **PTFE** sliding material and a highly effective filler combination, is applied to a **steel backing**. A further, 5-30 µm-thick overlay of the same sliding material is applied onto the filled bronze structure.



Photomicrograph of GLYCO® 92

3. Available forms:

GLYCO® 92 strip may be manufactured in thicknesses ranging from 0.70 mm to 3.09 mm. It may be supplied **as strip, wrapped bushes, flanged bushes and thrust washers**.

4. Thermal stability:

The continuous service temperature is approximately **250°C**, but the material may be exposed to temperatures of up to 290°C for short periods.

5. Chemical stability:

The GLYCO® 92 overlay is compatible with virtually all organic lubricants and solvents. Problems may arise on contact with concentrated sulfuric or nitric acid and molten or dissolved alkali metals. Sustained contact with fluorocarbons may result in swelling of the PTFE and other consequent effects. Ammonium salts and cyanides in alkaline solution attack the bronze. The resistance of the backing steel depends on the type of corrosion protection provided.

6. Corrosion protection:

Surface finishes of **tin** or **zinc** are available.