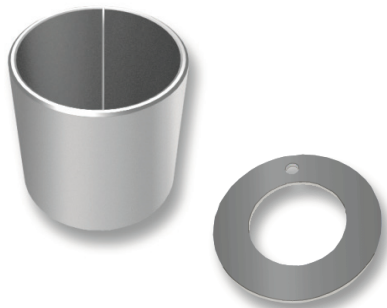


Maintenance-free bearing material for dry and lubricated applications

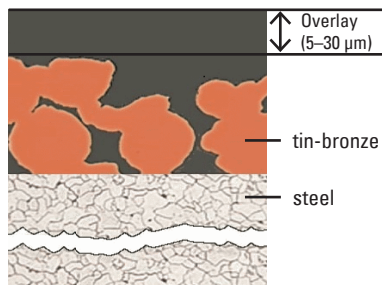


GLYCO® 92 bushing and washer

Challenge

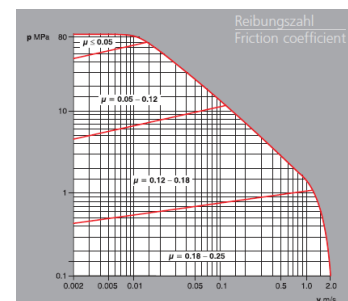
Many applications require a combination of good friction properties, a high wear resistance and a high load capacity at the same time.

Microsection view of the 3-layer material



Solution

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 excellent wear resistance and is composed of constituents which pose no danger to health.



pv diagram under dry operation
incl. friction performance

Key Features

- PTFE based material for high load capacity and wear resistance under liquid lubricated and non lubricated conditions.
- Base material with excellent properties (low friction coefficient, high wear resistance) used in a wide range of applications (automotive and industry), even in highly demanding applications.
- Available in a wide range of standard dimensions in accordance to ISO 3547.

Benefit	Details
High Load capacity	static: max. 250 MPa dynamic: max. 80 MPa
Max. sliding velocity / p.v. max. value	pv max. = 1.4 MPa x m/s under dry running conditions* *Standard F-M test conditions pv max. can be significantly higher under oiled lubricated conditions
Wide operating temperature range	-200 to +260°C
Friction coefficient	Very low friction under oil lubrication from 0.01 to 0.04

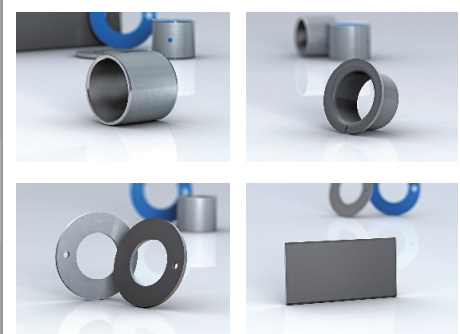
Additional Information

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.

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.

Applications:

- All kind of pumps, transmission, shock absorber, etc.
- Universal material used in many applications (automotive, industry, etc.)



CO₂ Reduction

Performance

Durability

Cost Reduction

Friction Reduction

Green Technologies

Energy, Industrial & Transport

