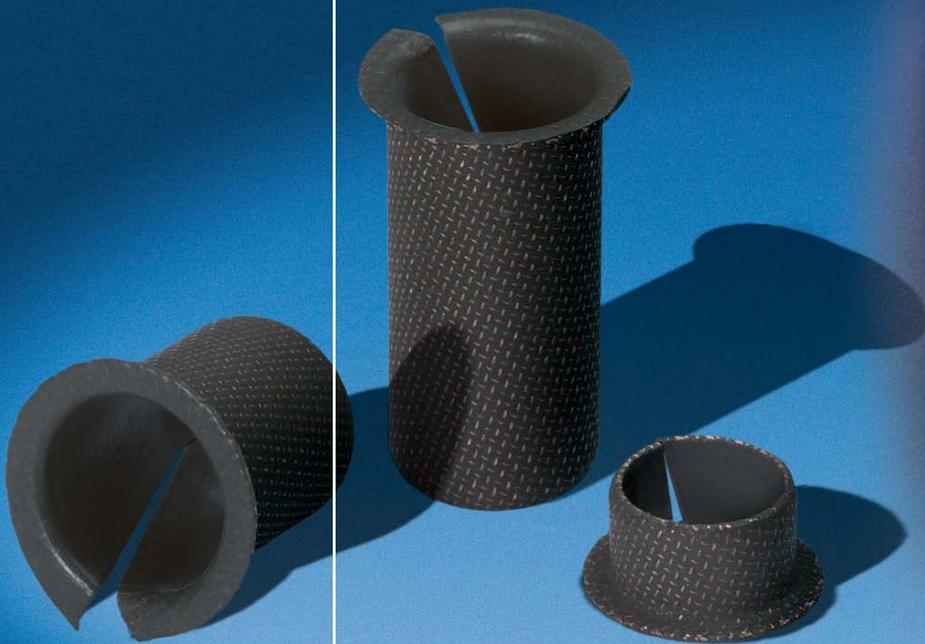


Position N° 1



Clearance-free Dry Bearings

GLYCODUR®
GLYCO 90



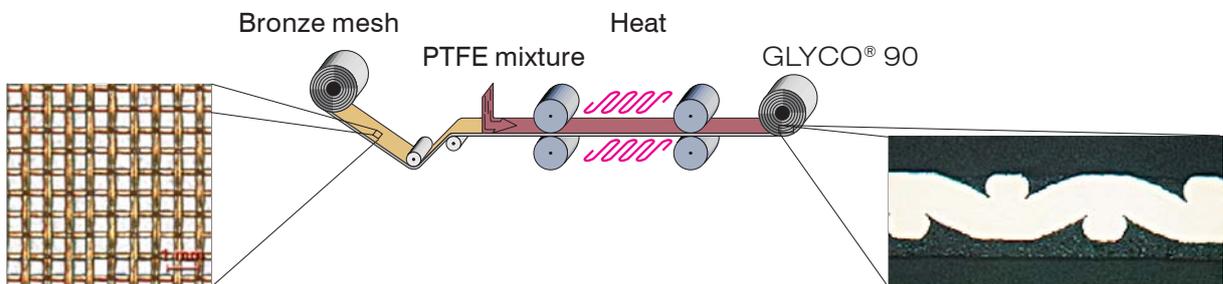
GLYCO® 90

Applications

GLYCO® 90 is a maintenance free bushing material made of a bronze metal mesh, encapsulated with wear resistant PTFE. The combination of these materials offers excellent strength and loading capacity, good heat resistance, minimal wall and running clearances, and low friction. The metal fabric enables a high degree of flexibility and while

ensuring easy installation. Typical applications for GLYCO® 90 include: automotive door hinges, seat belt pre-load devices, and belt tensioners. All GLYCO® 90 and GLYCODUR® products are manufactured with materials and processes which are environmentally safe.

Material composition



Material properties

Alloy	CuSn6
Sliding surface height	0.05 mm
Max. permissible static load (p)	200 MPa
Max. permissible dynamic load (p)	120 MPa
Max. sliding speed (v)	2.0 m/s
Friction coefficient (according to operating conditions)	0.03 to 0.25
Temperature range	-200 to +260 °C

GLYCO® 90

Products

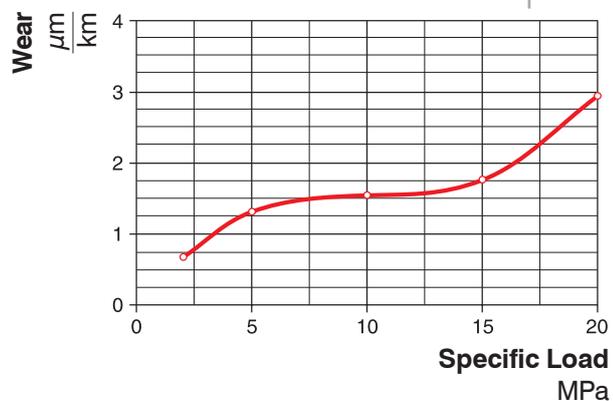
GLYCO® 90 is available in wrapped bushings, flanged bushings, washers and

strips. Each product is manufactured with a wall thickness of 0.5 mm.

Wear rate

Test conditions:

Motion: Rotation
 Shaft diameter: 22 mm
 Mating surface: Steel
 Surface quality: $R_a = 0.15 - 0.3 \mu\text{m}$, HRC56
 Sliding speed: 0.125 m/s
 Sliding distance: 22.5 km



Thermal stability

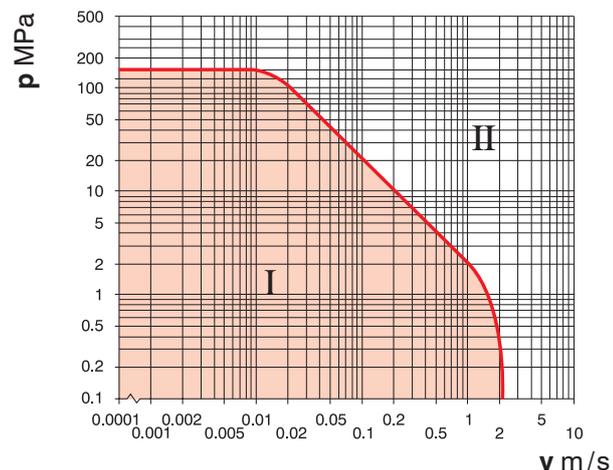
The operating temperature of GLYCO® 90 is 260°C (500°F), but can operate up

to 280°C (563°F) for short periods of time.

pv range

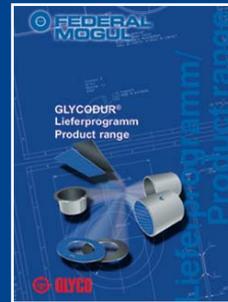
pv Operating areas:

- I Basic rating, service life equation valid.
- II Possible area of application, e.g. if heat dissipation is very good; contact with expert required, before applying the service life equation.





GLYCODUR®
Dry Bearings Catalogue



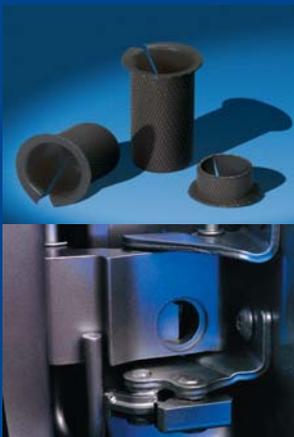
GLYCODUR®
Product Range



GLYCODUR®
Price List



Automotive
Applications



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