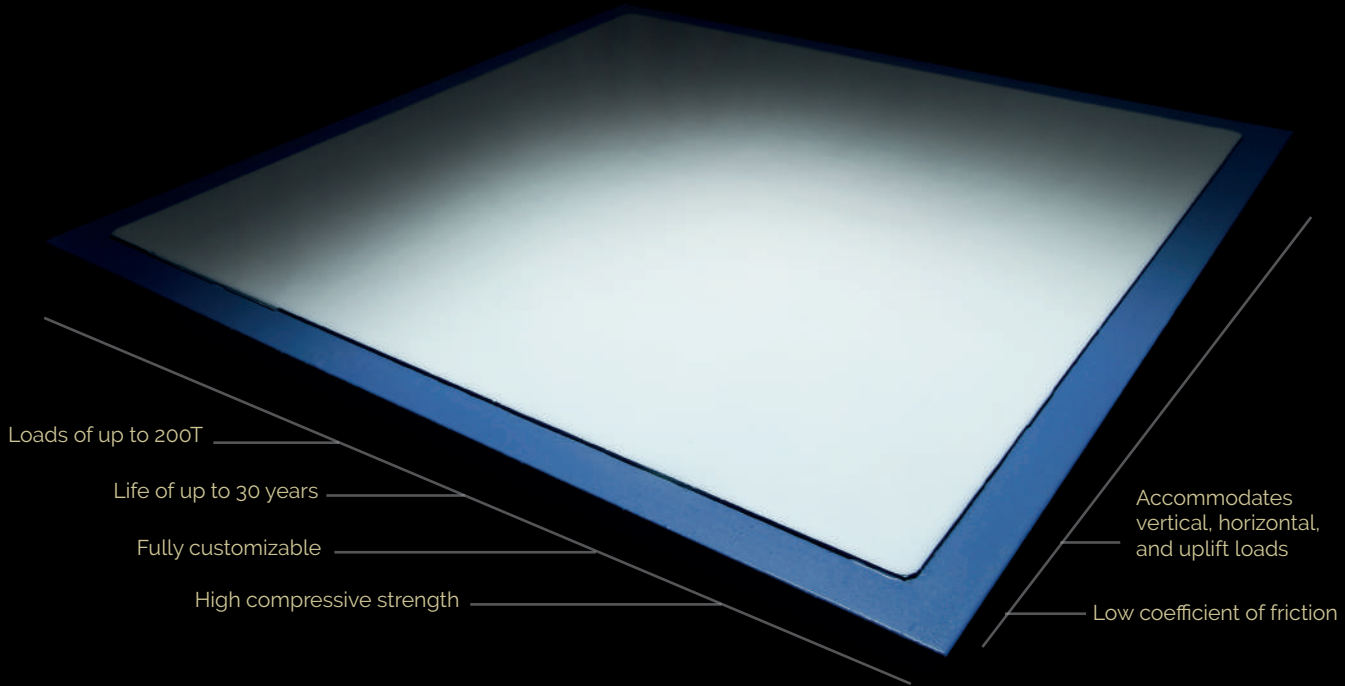


# PTFE Sliding Bearings

PTFE Sliding Bearings - also called Structural Bearings, Load Bearings, Bridge Bearings, or Bearing Pads - are essential to any structure facing varying vertical and horizontal loads and internal movement.

Such bearings are primarily employed in bridges, roadways, pipelines, and in some buildings to offer additional support to load beams and girders.

Poly Fluoro Ltd. has combined its expertise in PTFE sheets with our know-how on PTFE bonding techniques and metal fabrication to produce high-quality and durable bridge bearings.



Loads of up to 200T

Life of up to 30 years

Fully customizable

High compressive strength

Accommodates vertical, horizontal, and uplift loads

Low coefficient of friction

Poly Fluoro is an RDSO approved manufacturer of PTFE Bearings and has supplied numerous infrastructure projects around the globe.

Our bearings employ virgin PTFE sheets or PTFE with a 15% glass filling for better creep properties, while not compromising on the coefficient of friction. Fillers of bronze, carbon, and MoS<sub>2</sub> are also available.

## Why Poly Fluoro?

- Our end-to-end in-house manufacturing processes allow us to create superior designs and customize bearings to suit exact **client requirements**.

- With our **one-of-a-kind facilities**, we provide the **best-in-class manufacturing** with shortened lead times and CNC level precision on the bearing assembly.

- We take pride in our **state-of-the-art quality assessment** where each bearing's properties are fully verified before assembly.

Typical properties of PTFE Sliding Bearings	
Compressive strength (Bar)	200
Coefficient of friction	0.03
<b>Materials used:</b>	<b>Standard</b>
PTFE	ASTM D4894
Stainless Steel	AISI 304/316
Mild Steel/Carbon Steel	IS 2062 / A36
<b>Design Standards</b>	BS 5400 IRC 83

Bridges and roadways

Boiler plants

Pipelines

Airports

Coal handling plants

Conveyor systems

