

Redco™ BUSHINGS & BEARINGS

Redco™ PLASTIC BUSHING AND BEARING MATERIALS

Durable polymer alloys capable of performing better than brass, bronze or Babbitt bearings!

- Self Lubricating
- Excellent for impact and shock application
- Exceptional wear life and resistance to corrosion
- Low temperature resistance to -80°F

Designed specifically for bulk handling, forestry, mining and transportation.

When it comes to using Plastics for various applications, it may become difficult to determine which material to use, especially in Bearing and Bushing areas.

MATERIAL

WHEN TO USE Redco™ BEARING MATERIALS

Redco™ POLYURETHANES

- Applications where shock, vibration, impact and lower or freezing temperatures are of a concern.
- Urethane is better here due to its elasticity.
- Absorbs 1.3% moisture.

Redco™ Polyurethane 750 / 750 XL / SXL

- Approx. 2500 PSI is at the top of its limitations
- Typically used as: Hourglass Bearings, Sprocket Bushings, Kicker Arm Bushings.
- Pivot Bearings, SN insert Bearings, Rollers, Barker Bearings, and Hanger Bearings.

Redco™ CAST NYLONS

- Applications of higher velocity, pressure and ambient temperature (will not take a lot of cold and impact)
- Absorbs 3% moisture.
- Approximately 4000 PSI is at the top of its limitations.
- Typically used as: Kiln Bearings, Pivot Bearings, Sheaves, Winch Bushing, Tail Shaft Bearings, and Hanger Bearings

Redco™ DELRIN

- Basically the same as nylon except it absorbs considerably less moisture and is slightly harder.
- Approximately 4000 PSI is at the top of its limitations.

Redco™ BUSHINGS & BEARINGS

MATERIAL

WHEN TO USE Redco™ BEARING MATERIALS

Redco™ PHENOLICS

- Applications where heat, cold, high pressure, impact and velocity are of concern.
- Absorbs 1% moisture.
- Approximately 10 000 PSI is near the top of its limitations.
- Typically used as: Press Roll Bushings, Mitre Box Bushings, Sheave Bearings, High Load Kiln Bearings (30 000+), Boom Pivot Bearings, and Barker Bearings.

Redco™ TEFLONS

- Generally used in applications where extreme heat (300+°F), Harsh Chemicals, Moisture and Corrosion are of concern.
- Approximately 500 PSI is at the top of its limitations, dependent on additives.
- Absorbs no moisture.
- Typically used as: Veneer Dryer Bearings, Non-stick Rollers, Food Handling and Chemical Parts.

Redco™ UHMW

- Application with light load, chemicals, cold, some impact.
- Absorbs no moisture.
- Approximately 500 – 800 PSI is at the top of its limitations, dependent on additives.
- Typically used as: Skate Wheels, Light Duty Bearings, Food and Chemical Parts.

BEWARE: Plastic Clearance/Tolerance is subject to many variables (i.e. Moisture, Cold, Heat) when being machined for specific applications.

If lubrication is supplied to a plastic bearing, the load and life are greatly increased dependent on the type and volume of lubricant.