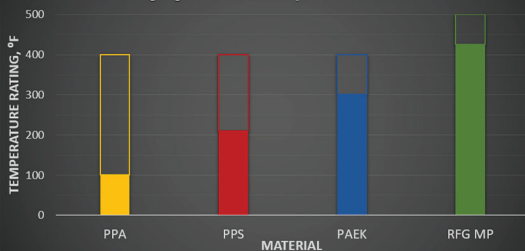


Temperature Rating

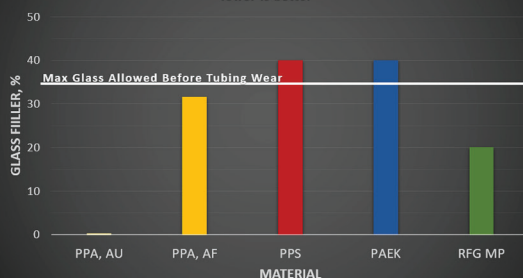
rating v. glass transition temperature of material



Glass Transition Temperature, T_g, is shown at transition of solid bar to transparent. Material degrades at temperatures > T_g

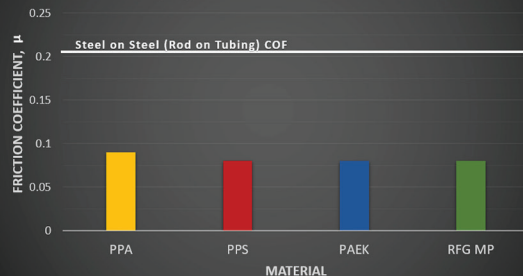
Glass Content

lower is better



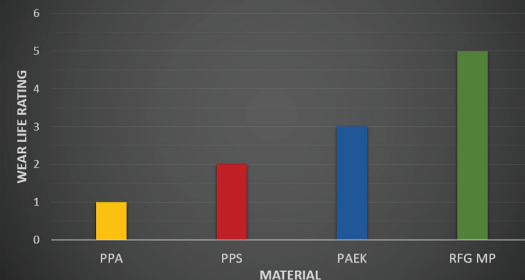
Coefficient of Friction

3rd party lab tested, Mobil 10W-30, 200° F



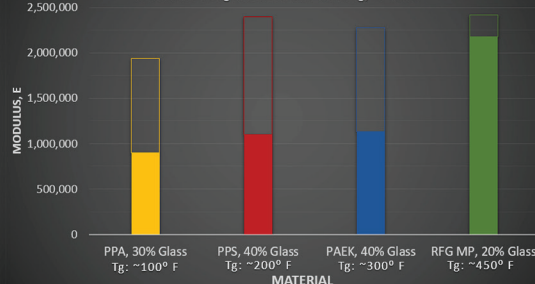
Wear Life Rating

higher is better



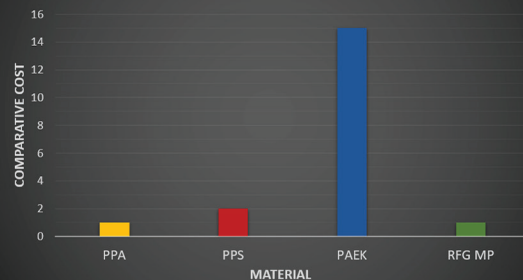
Property Retention Above T_g

material strength before and after T_g, in fluid



Relative Material Cost

lower is more affordable



NOTE:

1. Glass Transition Temperature, T_g, reflects material integrity over the environmental temperature band. Ideally plastic would perform linear in all temperature environments
2. PPA is defined as hygroscopic, it absorbs fluid and its mechanical properties are greatly affected by submersion environments
3. Data is from 3rd party labs, or from resin suppliers, ie: Solvay