

Bearing Material Properties Handout

This page contains PV values for some of the materials in the kit.

The information on this page was taken from Machinery's Handbook page 2155.

These PV values represent the product of the **P**ressure in psi and the linear **V**elocity between the two surfaces in feet/minute.

Material	Load Capacity (psi)	Maximum Surface Speed (ft/min)	PV Limit
Delrin* (Acetal)	1000	1000	3000
Nylon* (polycarbonate)	1000	1000	3000
Virgin Teflon	500	50	1000
Rubber*	50	4000	15000

Your application of the material must meet all three criteria, Load, Velocity, and PV.

* See the Section Page for the Linked Resources