

TYPICAL PROPERTIES

VESPEL® ASB LINE

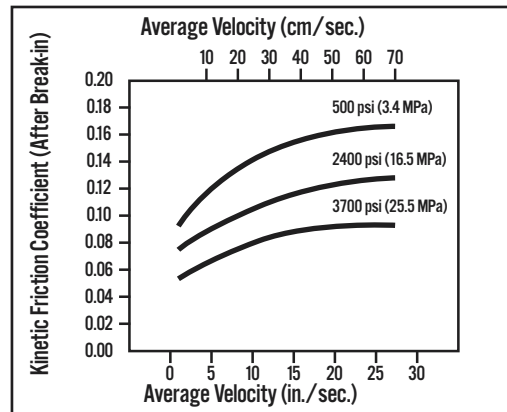


FABRIC COMPOSITE- LINED SERIES

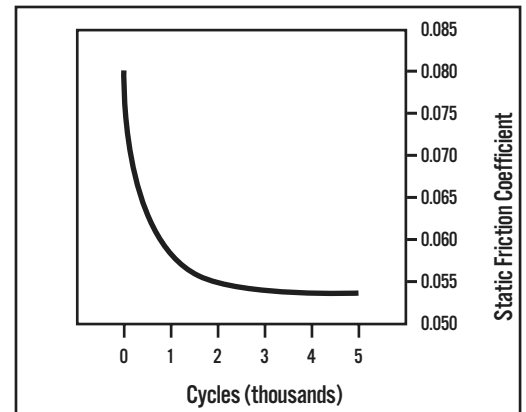
The fabric-lined series of DuPont™ Vespel® ASB parts offers great load-carrying capacity, while providing a self-lubricating surface. Using fabrics that combine the low friction properties of Teflon® PTFE with other high-strength fibers results in a liner that is durable, yet won't damage the mating surface. The liner is adhesively bonded to a metal backing that is selected to match the CTE of the mating components and for its galvanic compatibility. This metallic support provides the compressive load capability of the assembly.

| TYPICAL PROPERTIES OF FABRIC-LINED GRADES | | | |
|---|---------------------|-----|---------------------|
| GRADE | THERMAL | | OTHER PROPERTIES |
| | MAXIMUM TEMPERATURE | | CHEMICAL RESISTANCE |
| | °F | °C | |
| 0664 | 450 | 232 | GOOD |
| 0826 | 640 | 338 | EXCELLENT |
| 3000 | 650 | 343 | FAIR |

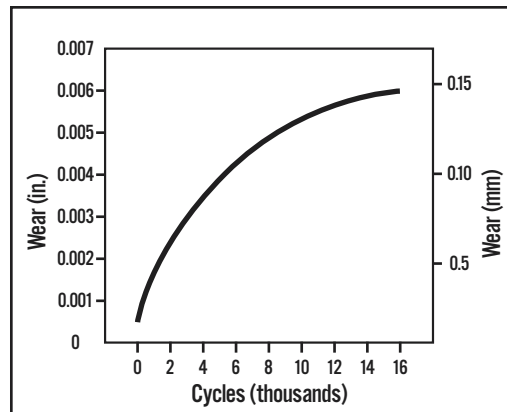
WEAR AND FRICTION CURVES FOR ASB-0664 & 3000



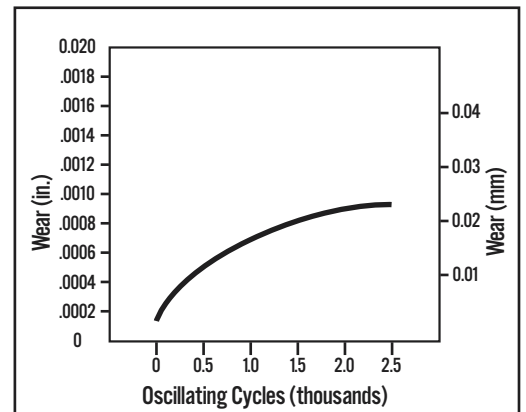
ASB-0664
Temperature: 250° F (121° C)
Stroke: 12 in. (30.5 cm)
Wear Surface: Chrome Plate



ASB-0664
Temperature: 75° F (24° C)
Load: 30,000 psi (207 MPa)
Stroke: 0.055 in. (1.4 cm)
Frequency: 1 Hertz
Mating Material: 440 C Stainless
Mating Surface: 45 Rc, 8 Ra



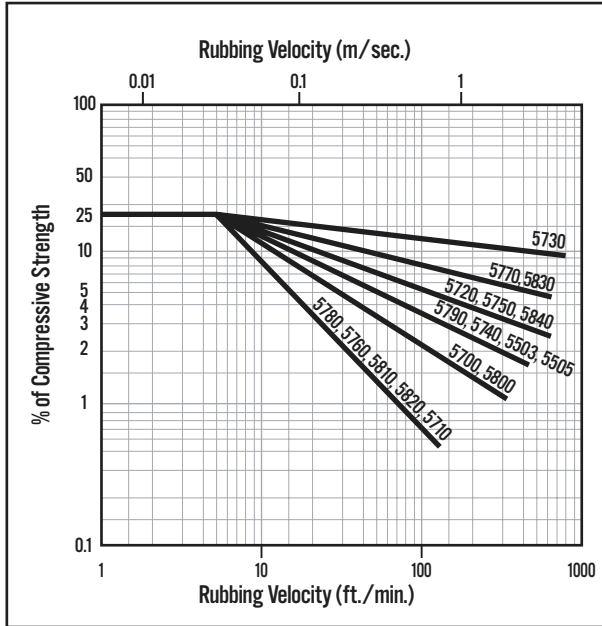
ASB-0664
Temperature: 75° F (24° C)
Load: 1200 psi (8.3 MPa)
Stroke: 11.5 in. (29.2 cm)
Velocity: 2.5 in./sec. (6.4 cm)
Mating Surface: Anodized Aluminum



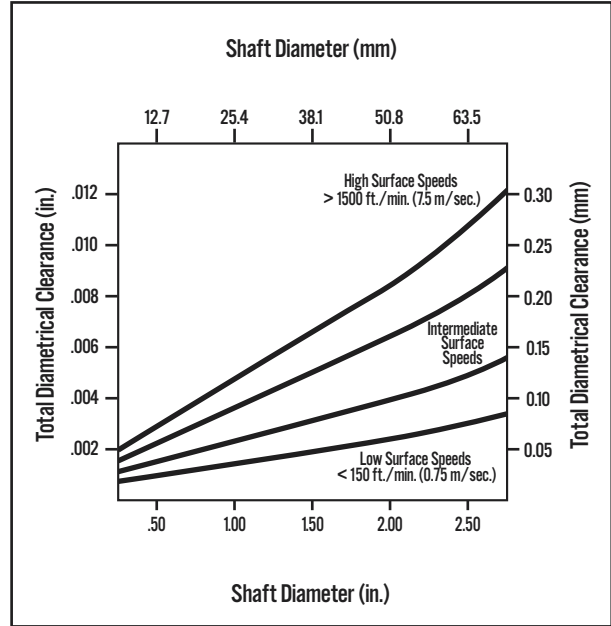
ASB-3000
Temperature: 75° F (24° C)
Oscillation Angle: +/- 25°
Load: 33,000 psi (227 MPa)
Speed: 10 cycles/min.
Wear Surface: 440 C Stainless, Ra 8

ASB CG METALLIC-SUPPORTED COMPOSITES

RECOMMENDED MAXIMUM DYNAMIC LOADS



RECOMMENDED SHAFT CLEARANCE FOR DRY RUNNING



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Caution: Do not use in medical applications involving permanent implantation in the human body. For other medical applications, see "DuPont Medical Caution Statement."