



"Providing You With Solutions"

ISO 9001:2000 CERTIFIED

VIBRATION DAMPING GASKET
TECHNICAL DATA

June 2002

Function

Used in combination with the vibration damping bushing to reduce the vibration and sound transmitted from a vertical motor/adaptor/pump assembly to the connecting structures by eliminating metal to metal vibration transmission paths and by reducing the natural frequency of vibration of the system.

Construction

material: solid homogeneous vinyl thermoplastic alloy
dimensions: flat ring shape with outside diameter varying from 6" to 18",
inside diameter usually about 4" less than the OD, thickness 1/8"

Vibration Damping as characterized by material loss factor (n)

good damping (energy dissipation) occurs for n > 0.1

Table with 4 columns: Temperature (C/F), 1000 Hz, 100 Hz, 10 Hz. Rows range from 0 deg C to 70 deg C.

Temperature Operating Range

for steady temperature minimum temperature 55 degrees F
maximum temperature 105 degrees F
for short term temperature maximum temperature 180 degrees F

Flammability UL94 meets V-0
meets MVSS-302

Chemical Resistance per ASTM D543

weight change less than 0.37% for 2 molar sulfuric acid, ethylene glycol,
distilled water, sea water, mineral oil

Tensile Strength per ASTM D-903 1574 psi

Compression Set per ASTM D395 method B 14% for 22 hours at 72 deg F

Compression Load Deflection per ASTM D575 10% at 71 psi

Hardness per ASTM D2240 56 to 60 Shore A

Note: The data listed in this technical data sheet are typical or average values based on tests done by independent laboratories or by the material manufacturer. The data is typical only of those test results and should not be considered as guaranteed. Material tests must be done under actual service conditions to determine suitability.