Vibration Dampening Gasket

Technical Data

Function

Used in combination with the vibration dampening bushing to reduce the vibration and sound transmitted from a vertical moto/adaptor/pump assembly to the connecting structures by elimination 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 Dampening as characterized by material loss factor (n)

good dampening (energy dissipation) occurs for n > 0.1

	1000 Hz	100 Hz	10 Hz
0 deg C (32 deg F)	0.65	0.95	1.00
10 deg C (50 deg F)	0.95	1.00	1.00
20 deg C (68 deg F)	1.00	1.00	0.80
30 deg C (86 deg F)	0.95	0.80	0.70
40 deg C (104 deg F)	0.85	0.50	0.25
50 deg C (122 deg F)	0.65	0.30	0.10
60 deg C (140 deg F)	0.45	0.18	0.06
70 deg C (158 deg F)	0.38	0.15	---

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-O
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.