

Vibration Dampening Bushing

Technical Data

Function

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

Construction

material: solid homogeneous vinyl thermoplastic alloy

standard dimensions: flat washer shape with outside diameter = 1 3/8", inside diameter = 1/2",

thickness 1/8" used in pairs so total thickness = 1/4"

Vibration Dampening as characterized by material loss facto (n) at 1000 Hz

good dampening (energy dissipation) occurs for $n > 0.1$

0 deg C (32 deg F)	0.1
10 deg C (50 deg F)	0.2
20 deg C (68 deg F)	0.4
30 deg C (86 deg F)	0.6
40 deg C (104 deg F)	0.7
50 deg C (122 deg F)	0.7
60 deg C (140 deg F)	0.5 approx

Temperature Operating Range

for steady temperature	minimum temperature 32 degrees F
	maximum temperature 125 degrees F
for short term temperature	maximum temperature 225 degrees F

<u>Flammability</u>	UL94V	meets V-O	listed HB
	meets	MVSS-302	

Chemical Resistance

per ASTM D543
weight change less than 0.25% for kerosene, 2 molar sulfuric acid, distilled water, sea water, 1% soap solution, mineral oil

<u>Tensile Strength</u>	per ASTM D-412-68	1323 psi
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<u>Compression Set</u>	per ASTM D-395-78 method A	
	for 24 hours at 72 deg F	6.9% short term, 1.0% long term

<u>Hardness</u>	per ASTM D-2240-68	60/47 Shore D
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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