

General Description

Wilhams WIP isolating pads are available in two grades to suit high and low levels of vibration isolation.

WIP-2003

Advantages

- Medium compression.
- Good flexibility and resilience.

Properties

Shore Hardness A	65 to 80
Specific Gravity	0.9 to 1.0 kg/m ³
Density	900 to 1000 kg/m ³
Compression at 400 psi	20–40%
Recovery	75%
Tensile strength	175 psi
Service temperature	-20°C to +120°C

Test data to ASTM F104-89

Immersion test (%volume change)

ASTM Oil 1 (70 hours)	-5 to +15% at 100°C
ASTM Oil 3 (70 hours)	+15 to +40% at 100°C
ASTM Fuel A (22 hours)	-2 to +15% at RT

Flexibility test

Original (F=5)	No cracks
Oven aged (70 hours)	No cracks at 100°C
ASTM Oil 1 (70 hours)	No cracks at 100°C (F=16)

Thickness change test

ASTM Oil 3 (70 hours)	5 to 20%
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Compression set test

Method A (22 hours)	50% at 70°C
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Applications

Wilhams WIP-2003 isolation pads offer excellent sealing characteristics for industrial and automotive gaskets with medium to high flange pressures.



WIP-2006

Advantages

- Low compression.
- Excellent resistance to oils and fuels.

Properties

Colour	Red with cork points
Cork granule size	0.5 to 1mm
Binder type	Nitrile Rubber
Durometer shore	A 65-75
Compression at 400 psi	25–35%
Recovery	80%
Tensile strength	23.5 kg/cm ²
Service temperature	-20°C to +120°C

Test data to ASTM F104-89

Immersion Test (%volume change)

ASTM Oil 1 (70 hours)	-2 to +10% at 100°C
ASTM Oil 3 (70 hours)	-2 to +15% at 100°C
ASTM Fuel A (22 hours)	-2 to +10% at RT

Applications

Wilhams WIP-2006 isolation pads offer excellent vibration control in technical equipment rooms and vibration isolation for machinery i.e. pumps, presses, and motors. Widely employed in the construction industry in acoustic suspension elements, wall systems, ceilings and pipings. Additionally used as isolation pads for rail and sub-way applications.

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