



# Product Information

## Vibetech AV500

### Specification

#### Material Specification

This is a premium rubber and cork bonded material suitable for isolating vibration and noise from machinery.

The physical characteristics along with excellent fuel/oil resistance makes this an ideal material for equipment found in machine shops and the refrigeration industry for example, Compressors, lathes and hydraulic presses.

#### Material Description:

|                        |                |
|------------------------|----------------|
| Binder                 | Nitrile Rubber |
| Cork Granule size (mm) | 0.5 to 1.0     |

#### Physical Properties:

|                        |                       |
|------------------------|-----------------------|
| Density                | 0.7 to 0.85           |
| Hardness               | 65 to 75 shore        |
| Compressibility/400psi | 25 to 35%             |
| Recovery after         | 80% or better         |
| Tensile strength       | 21 kg/cm <sup>2</sup> |
| Temperature range      | -20 to +120°C         |

#### Volume Change After Immersion

|                           |            |
|---------------------------|------------|
| ASTMn 1 oil 70 hrs@100 °C | -5 to 10%  |
| ASTMn 3 oil 70 hrs@100 °C | -2 to 15%  |
| ASTMn Fuel A 22 hrs@23 °C | -2 to 110% |

#### Maximum Loading

|                 |                       |
|-----------------|-----------------------|
| Maximum Loading | 0.36Mn/m <sup>2</sup> |
|-----------------|-----------------------|

Specification and test methods according to ASTM F 104-93 F226000 and ASTM No P2245A

# Product Information

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### Chemical Resistance

| Chemical                | Resistance |
|-------------------------|------------|
| Acetaldehyde            | U          |
| Acetic acid             | C          |
| Acetone                 | U          |
| Acetylene gas           | B          |
| Aluminium Chloride      | A          |
| Ammonia, aqueous liquid | B          |
| Ammonium Chloride       | A          |
| Aniline                 | U          |
| Asphalt Emulsion        | B          |
| Benzene (Bengal)        | U          |
| Borax Solutions         | B          |
| Butane                  | A          |
| Butyl Acetate           | U          |
| Butyl Alcohol           | A          |
| Calcium Chloride        | A          |
| Calcium hydroxide       | A          |
| Carbon Dioxide          | A          |
| Carbon Tetrachloride    | C          |
| Chloroform              | U          |
| Chromic Acid            | U          |
| Citric Acid             | A          |
| Cresol (0.111 or P)     | C          |
| Cyclohexane             | A          |
| Cyclohexanol            | B          |
| Diesel Oil              | A          |
| Diethyl ether           | U          |
| Ethane                  | A          |
| Ethyl Acetate           | U          |
| Ethyl Alcohol           | A          |
| Ethylene Glycol         | A          |
| Ferric Chloride         | A          |
| Formic Acid             | B          |
| Freon 12                | U          |
| Freon 21                | U          |
| Freon 22                | U          |
| Gasoline                | A          |
| Glycerine               | A          |
| Heptane - N             | A          |
| Hexane                  | A          |
| Hydrogen Gas            | A          |
| Hydrogen peroxide       | U          |

| Chemical                | Resistance |
|-------------------------|------------|
| Hydrogen Sulphide       | U          |
| Isobutyl Alcohol        | B          |
| Isoctane                | A          |
| Isopropanal             | B          |
| Kerosene                | A          |
| Lye                     | B          |
| Lubricating Oils SAE    | A          |
| Magnesium Chloride      | A          |
| Magnesium Sulfate       | A          |
| Methane                 | A          |
| Methyl Alcohol          | A          |
| Methyl Ethyl Ketone     | U          |
| Methyl Isopropyl Ketone | U          |
| Motor Oil               | A          |
| Naphtha                 | C          |
| Natural Gas             | A          |
| Nitric Acid             | U          |
| Nitrogen Gas            | A          |
| Oxalic Acid             | B          |
| Oxygen - Cold           | B          |
| Oxygen - Hot            | U          |
| Perchloroethylene       | C          |
| Phosphoric Acid         | B          |
| Potassium Dichromate    | A          |
| Potassium Hydroxide     | A          |
| Propane                 | A          |
| Propyl Alcohol          | A          |
| Sodium Carbonate        | A          |
| Sodium Hydroxide        | B          |
| Sodium Hypochlorite     | B          |
| Sodium Sulfate          | A          |
| Steam                   | U          |
| Stearic Acid            | B          |
| Sulphur Dioxide Gas     | U          |
| Toluene                 | U          |
| Turpentine              | A          |
| Vegetable Oils          | A          |
| Vinyl Acetate           | A          |
| Water                   | A          |
| Xylene                  | U          |
| Zinc Chloride           | A          |

Explanation of Codes:-

- A - Excellent
- B - Good
- C - Suitable for splash conditions or intermittent Contact
- U - Unsuitable