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 to1.0

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/cm²
Temperature range	-20 to +120ºC

Volume Change After Immersion	
ASTMn 1 oil 70 hrs@100 ºC	-5 to 10%
ASTMn 3 oil 70 hrs@100 ºC	-2 to 15%
ASTMn Fuel A 22 hrs@23 ºC	-2 to 110%

Maximum Loading	
Maximum Loading	0.36Mn/m²

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

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Chemical Resistance

Chemical	Resistance	Chemical	Resistance
Acetaldehyde	**U**	Hydrogen Sulphide	**U**
Acetic acid	**C**	Isobutyl Alcohol	**B**
Acetone	**U**	Isoctane	**A**
Acetylene gas	**B**	Isopropanal	**B**
Aluminium Chloride	**A**	Kerosene	**A**
Ammonia, aqueous liquid	**B**	Lye	**B**
Ammonium Chloride	**A**	Lubricating Oils SAE	**A**
Aniline	**U**	Magnesium Chloride	**A**
Asphalt Emulsion	**B**	Magnesium Sultate	**A**
Benzene (Bengal)	**U**	Methane	**A**
Borax Solutions	**B**	Methyl Alcohol	**A**
Butane	**A**	Methyl Ethyl Ketone	**U**
Butyl Acetate	**U**	Methyl Isopropyl Ketone	**U**
Butyl Alcohol	**A**	Motor Oil	**A**
Calcium Chloride	**A**	Naphta	**C**
Calcium hydroxide	**A**	Natural Gas	**A**
Carbon Dioxide	**A**	Nitric Acis	**U**
Carbon Tetrachloride	**C**	Nitrogen Gas	**A**
Chloroform	**U**	Oxallo Acid	**B**
Chromic Acid	**U**	Oxygen - Cold	**B**
Citric Acid	**A**	Oxygen - Hot	**U**
Cresol (0.111 or P)	**C**	Perchlorogthylene	**C**
Cvclohexane	**A**	Phosphoric Acid	**B**
Cyclohexanol	**B**	Potassium Dichromate	**A**
Diesel Oil	**A**	Potassium Hydroxide	**A**
Diethyl ether	**U**	Propane	**A**
Ethane	**A**	Propyl Alcohol	**A**
Ethyl Acetate	**U**	Sodium Carbonate	**A**
Ethyl Alcohol	**A**	Sodium Hydroxide	**B**
Ethylene Glycol	**A**	Sodium Hyporchloride	**B**
Ferric Chloride	**A**	Sodium Sulphate	**A**
Formic Acid	**B**	Steam	**U**
Freon 12	**U**	Stearic Acid	**B**
Freon 21	**U**	Sulphur Dioxide Gas	**U**
Freon 22	**U**	Toluene	**U**
Gasoline	**A**	Turpentine	**A**
Glycerine	**A**	Vegetable Oils	**A**
Ileptane - N	**A**	Vinyl Acetate	**A**
Hexane	**A**	Water	**A**
Hydrogen Gas	**A**	Xylene	**U**
Hydrogen peroxide	**U**	Zinc Chloride	**A**

Explanation of Codes:-

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