



1. *Low Coefficient of Friction*
2. *Lead Free*
3. *Great Chemical Resistance*
4. *Run Dry Component*
5. *Best Potable Water Replacement Bearing*

SPEC 1000

A proven polymer to replace bronze bearings in non-abrasive liquid pumps. This material has a run dry component that keeps pumps from seizing during system lubrication delays. It has a low coefficient of friction which adds to the efficiency of the pump and has great chemical resistance. This product has better wear characteristics than bronze and is compliant with FDA and NSF 61 guidelines.



COMPOSITE POLYMER MATERIAL

SPEC 1000: Non-metallic Extruded

Physical Properties

	English	ASTM Test
Specific Gravity	1.41	D792
Water Absorption	.07%	D695
Maximum Running Temperature	210 Degrees F	

Mechanical Properties

Flexural Strength	18,000 PSI	D790
Compressive Strength	15,000 PSI	D695
Impact Strength	.50 Ft lbs.	D256

Chemical Resistance

Acetones	Excellent
Acids (< 10% solutions)	Excellent
Alcohols	Excellent
Aliphatic hydrocarbons	Excellent
Aromatic hydrocarbons	Excellent
Benzene	Excellent
Butyl Alcohol	Excellent
Ethyl Glycol	Excellent
Ethyl Alcohol	Excellent
Freon	Excellent
Fuels (gasoline, diesel, etc.)	Excellent
Glycerin	Excellent
Hexane	Excellent
Hydraulic Fluid	Excellent
Mineral Oils	Excellent
Motor Oils	Excellent
Natural Gas	Excellent
Propane	Excellent
Sodium Chloride 3.5% (saltwater)	Excellent
Turpentine	Excellent
Xylene	Excellent



Data provided is based on laboratory testing and may not reflect conditions that exist in your applications. User should verify with factory application and conditions. No warranty or legal responsibility is accepted or implied.

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