



Factor II, Incorporated

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(Information: 1.928.537.8387)
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PRODUCT INFORMATION

A-104

Silicone Dispersion

PRODUCT DESCRIPTION:

One part, silicone dispersion containing 50% aminofunctional polydimethylsiloxane copolymer in a mixture of aliphatic and isopropanol solvents.

Cures at room temperature.

Good adhesion to various substrates.

Applications

Provides excellent lubricity for cutting edges

PROPERTIES	AVERAGE RESULT	ASTM	NT-TM
Appearance	Transparent	D2090	002
Non-Volatile Content	50%	D2288	004
Kinematic Viscosity	200cSt	D445,D446	025
Specific Gravity	0.87	D1298	097
Refractive Index	1.41	D1218,D1747	018

Instructions for Use

Coating

Apply to devices by dipping or wiping. Prior to use, pre-dilute the material to the desirable concentration for the specific application. Experimentation may be required to determine the optimum concentration for the specific application. Coating thickness varies.

Solubility

A-104 is soluble in many organic solvents including aliphatic and aromatic hydrocarbon solvents. Selecting a solvent depends on its ability to wet out the substrate being coated. This fluid is not soluble in water and hydrolyzes rapidly when placed in intimate contact with water. Any solvents used to dilute material must be moisture free.

Storage

This material cures in the presence of atmospheric moisture. It is recommended that an inert gas, such as Argon or Nitrogen, be used to blanket the product before securely re-closing the container.

Curing

A-104 cures on contact with atmospheric moisture once the solvent evaporates, creating a soft, pliable silicone coating. Requires a minimum of 30% relative humidity to effectively cure the material. Optimal humidity is between 40-60% relative humidity.

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