Factor II, Incorporated

Inventing and Innovating…
(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 ina mixture of aliphatic and isopropanol solvents.
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 seccurely 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.

WARNINGS ABOUT PRODUCT SAFETY:

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Factor II technology believes that the information and data contained herein is accurate and reliable; however, it is the user's responsibility to determine suitability and safety of use for these materials.
Factor II cannot know the specific requirements of each application and hereby makes the user aware that it has not tested or determined that these materials are suitable or safe for any application. It is the user's responsibility to adequately test and determine the safety and suitability for their application. Factor II makes no warranty concerning fitness for any use or purpose. There has been no testing done by Factor II to establish safety of use in any medical application. Factor II has tested this material only to determine if the product meets the applicable specification. (Please contact Factor II for assistance and recommendations when establishing specifications.) When considering the use of a Factor II product in a particular application, you should review the latest Material Safety Data Sheets and contact Factor II for any questions about product safety information you may have.

WARRANTY INFORMATION:

Factor II's warranty period is 6 months from date of shipment when stored below 40°C in original unopened container. **IT IS RECOMMENDED THAT THE PURCHASER THOROUGHLY TEST ANY APPLICATION PRIOR TO FULL SCALE PRODUCTION OR COMMERCIALIZATION. INFORMATION CONTAINED IN THIS TECHNICAL PROFILE SHOULD NOT BE TAKEN AS INDUCEMENT TO FRINGE ANY PATENT. FACTOR II WARRANTS ONLY THAT ITS PRODUCTS MEET ITS SPECIFICATIONS. THERE IS NO WARRANTY OF MERCHANTIBILITY OF FITNESS FOR USE OR ANY OTHER WARRANTIES EXPRESS OR IMPLIED. FACTOR II MAKES NO GUARANTEE OF SATISFACTORY RESULTS**

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