

DYNE TEST INKS TO ISO 8296

Description

For optimum adhesion when printing, gluing or coating on various substrates, it is necessary to obtain a high surface energy. Determining the surface energy can be achieved by measuring contact angle or by use of Surface Energy Test Liquids or Pens (Dyne level testing).

Dyne test inks and fluids (sometimes referred to as corona test fluids) are used for the quick and easy measurement of surface energy or wetting tension. This form of measurement is based on ISO8296 that describes the method for measuring the surface energy of polyethylene film. Using the Dyne test liquid gives quick and easy results indicating surface wettability. The low surface energy of polymer-based substrates often leads to poor adhesion of inks, glues and coatings. To obtain optimum adhesion, it is necessary to increase the surface energy of the substrate to just above that of the material to be applied. Surface Treatment with either Plasma or Corona results in good wetting of the material over the surface of the substrate and so improves adhesion.

Storage and Shelf Life

6 months at 25 +/- 10 °C

Health and Safety

The fluids contained in dyne test marker pens are considered hazardous materials. Avoid contact with skin, use with adequate ventilation and avoid contact with eyes. Pregnant women should not perform tests with these products.

The above is given as a guide only; please refer to the relevant safety data sheet individual for specific advice.

Useful Resources

[Safety data sheets](#)

[Product webpage](#)

Warranty

Statements, technical information and recommendations contained herein are based on tests we believe to be reliable, but they are not to be construed in any manner as warranties expressed or implied. The user shall determine the suitability of the product for his intended use and the user assumes all risk and liability whatsoever in connection therewith.



Key Properties

- Valve tip applicator resists contamination
- Simple and quick surface energy measurement test

Contact us for more information about our dyne pens

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