

Dyne Test Pens: 5ml

BGD 1146

Product Description

DYNE Test Pens: 5 ml

Surface Tension Test Pens were introduced to provide accurate measurements of graduated surface tension levels. The fluid is applied to the surface or substrate until a satisfactory dyne level is found. Experience has shown that wetting is typically adequate when a continuous film of test fluid remains intact for 2 seconds. If the fluid breaks into droplets in less than 2 seconds, it indicates insufficient wetting, and a lower-numbered test fluid should be tried. If the fluid remains intact for longer than 2 seconds, a higher-numbered test fluid should be used. A clean, new cotton applicator should be used each time to avoid contamination of the solutions. Ensure the film surface is not touched or contaminated in the areas where the tests are to be conducted. These pens are widely used on materials such as PS, PE, PP, PET, PI, PC, NY, CPP, OPP, PVC, etc.



Solvica offers 16 different dyne value pens (30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 69 dyne). Please specify the desired value when ordering!

Technical Specification

Usage Instructions:

1. Draw with a pen on the test area of about 1 inch
2. Check how long it takes for the ink to change to small drops or show peripheral shrinkage. If there's no change after 2 seconds, repeat the test with a higher dyne pen
3. The suitable dyne level is when it takes 4 seconds for the ink to change to small drops or show peripheral shrinkage
4. Surface energy should be at least 10 dyne higher than that of ink, adhesive, or coating
5. When liquid drops on the material surface, if the surface energy of the material is lower than the surface energy of the ink, the ink will form a marble-like shape
6. Conversely, if the surface energy of the material is higher than the surface energy of the ink, the ink will spread uniformly on the surface

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Main Technical Parameters

Ordering Information:

- BGD 1146 - Surface Tension Test Pens (5ml)
- BGD 1147 - Surface Tension Test Pens (12ml)
- BGD 1148 - Surface Tension Test Pens (30ml)
- BGD 1149 - Surface Tension Test Pens (Rechargeable 60ml)

Disclaimer

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