

Technical Datasheet

Article:	Test Ink blue
Standard:	ASTM F3039
Article number:	ASTMF3039BPIP1
Pack size	100 ml, 250 ml, 500 ml, 1 l

Physical Data:

Viscosität:	1,1 – 1,3	[mPa s]
pH-Value:	7 – 8	
Density:	0,9 – 1,1	[g ml ⁻¹]
Dynamic Surface Tension:	28 – 32	[mN m ⁻¹]

- The composition of the test ink matches the criteria of the standard ASTM F3039. This is a testing method for detecting and locating leaks in the edge seals of a nonporous package.

Composition

- The suggested wetting agent Triton X-100 was replaced by Tergitol™ 15-S-9, because of its classification as “substance of very high concern” in the year 2021. According to that the product is compliant with REACH.
- The dye penetrant solution consists of 96,8 % of water, 3,0 % of wetting agent, 0,15 % preservative and 0,05 % of Toluidine Blue.

Durability

- A preservative is used to guarantee two years of durability. The functionality according ASTM F3039 is still ensured.

Storage

- The container should be stored in a dry place under exclusion of sunlight.

Usage

- The package should be filled with sufficient dye penetrant solution with 0,25 millilitres per 25 millimetres edge seal.
- Allow to remain in contact for five seconds with the edge seal to detect leaks.
- After visual examination, inject additional dye as needed. Rotate the package to expose each seal edge to the dye penetration.